CONSTRUCTION NEWS

Supplement to ENGINEERING NEWS. New York, July 27, 1905.

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CONSTRUCTION NEWS.

PLANS AND SPECIFICATIONS ON FILE.

The following Plans (P.), Specifications (S), and Bidding Sheets (B. S.) may be seen at the office of The Engineering News Publishing Co., 220 Broadway, New York:

Bids close	Work.	Place.	On file.	See issue.
July 27	Filling & grading	Key West, Fla.	S.	7-20
29	Dredging	Bremerton, Wash.	S.	6-22
29	Grading & filling	N Orleans, La.	S.	7- 6
*31	Power plant	Monroe, Ga.	S.	7-13
31	Paving	Kinston, N. C.	S.	6-20
Aug. *2	Grading, wall	Cincinnati, O.		7-20
5	Joiner shop	Puget Sound, Wash.	S.	6-20
5	Water-works	Barnesville, Minn.	B. S.	7-20
*7	Bridge	Batesville, N. J.	P. & S.	7-27
*8	Water-works	Columbia, S. C.	S.	6-29
*10	Water and light plant	Bolivar, Tenn.	S.	7-27
12	Steel work, etc.	Washington, D. C.	S.	7-27
*14	Pipe laying	Union, N. J.	S.	7-27
*17	Dike	Los Angeles, Cal.	P. & S.	6-22
26	Coaling plant	Philippines.	S.	5- 4
Sept. 1	Steel manufacture	New S. Wales.	S.	3-23
—	Library	New Orleans, La.	S.	7- 6

*Work advertised in Engineering News.

NOTE.—We are desirous of securing specifications and bidding sheets (and plans when not too bulky) of pending work for file in our New York office for the benefit of contractors or others who may be interested in the work. If more sets than one are sent us we shall be pleased to distribute these to contractors who ask for them. When the work is advertised in Engineering News a note that the plans are filed with us will be added to the advertisement without cost.

LIST OF CONTRACTS PENDING.

Bids close. Work. Place. See issue.

LIGHT, HEAT AND POWER PLANTS

July 31. Light plant, Monroe, Ga. ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 3. Power station, Lake Placid, N. Y. ..... July 27
Advertised, Eng. News, July 27.
Aug. 24. Gas plant, Ft. Wayne, Ind. ..... July 6
Advertised, Eng. News, July 6 and 13.
Aug. 28. Switch boards, etc., Washington, D. C. ..... July 27
Advertised, Eng. News, July 27 to Aug. 3.

BRIDGES.

July 27. Bridge, Dayton, O. ..... July 13
July 28. Bridge, steel, Whitehall, Mich. ..... July 13
Advertised, Eng. News, July 13 and 20.
July 28. Mason work, Troy, N. Y. ..... July 27
July 29. Bridge, iron, Green Bay, Wis. ..... July 27
July 29. Bridges, Cleveland, O. ..... July 13
July 29. Bridge, steel, Denver, Colo. ..... July 13
Advertised, Eng. News, July 13 and 20.
July 30. Bridges, Hackensack, N. J. ..... July 27
July 31. Concrete arches, Miami, Fla. ..... July 27
July 31. Concrete arches, Danville, Ind. ..... July 13
Aug. 1. Bridge, Troy, N. Y. ..... July 27
Aug. 2. Bridges, steel, Dallas, Tex. ..... July 27
Aug. 2. Bridges, Atlantic City, N. J. ..... July 27
Aug. 3. Bridge, iron, Springfield, O. ..... July 27
Advertised, Eng. News, July 27.
Aug. 3. Bridge, Bryson, Que. ..... July 27
Aug. 5. Bridge, steel, Fort Pierre, S. Dak. ..... July 27
Advertised, Eng. News, July 27.
Aug. 7. Bridges, Louisville, Ky. ..... July 27
Aug. 7. Bridge, iron, Batesville, N. J. ..... July 27
Advertised, Eng. News, July 27.
Aug. 7. Bridge, Mt. Clemens, Mich. ..... July 27
Aug. 7. Bridge, steel, Marion, O. ..... July 20
Aug. 7. Bridges and arches, Decatur, Ind. ..... July 20
Aug. 7. Concrete arches, etc., Frankfort, Ind. ..... July 20
Aug. 7. Bridge, steel, Clarksdale, Miss. ..... July 20
Advertised, Eng. News, July 20.
Aug. 8. Bridges, Fargo, N. Dak. ..... July 20
Aug. 8. Bridges, Merced, Cal. ..... July 20
Aug. 8. Concrete bridge, Stockton, Cal. ..... July 27
Aug. 10. Bridge, concrete, Bridgeport, Conn. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 10. Bridge, New York, N. Y. ..... July 27
Sept. 18. Bridges, steel, Virginia City, Mont. ..... July 20

BUILDINGS.

July 29. Library, Cleveland, O. ..... July 20
July 29. Jail, Newport, Ark. ..... July 6
Advertised, Eng. News, July 6 and 13.
July 29. Buildings, West Point, N. Y. ..... July 6
Advertised, Eng. News, July 6 to Aug. 3.
July 31. School, Cleveland, O. ..... July 13
July 31. Heating and ventilating, Cleveland, O. ..... July 13
Aug. 1. Hospital, etc., Washington, D. C. ..... July 13
Aug. 1. School, Port Arthur, Tex. ..... July 6
Aug. 1. Gymnasium, Washington, D. C. ..... July 6
Aug. 1. State capitol, Frankfort, Ky. ..... July 20
Aug. 1. Asphalt floor, Peru, Ill. ..... July 27
Advertised, Eng. News, July 27.
Aug. 1. Library, South Haven, Mich. ..... July 27
Aug. 2. Retaining wall, Cincinnati, O. ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 4. Heating system, Geneseo, N. Y. ..... July 27
Aug. 5. Joiner shop (Mfg. Plants), Puget Sound Wash. ..... June 29
Aug. 5. Building, Hot Springs, S. Dak. ..... July 20
Aug. 7. School, Athens, Ga. ..... July 20
Aug. 7. Post-office, Adrian, Mich. ..... June 29
Aug. 7. Building, Rome, N. Y. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 7. Building, Shreveport, La. ..... July 27
Aug. 9. Library, Louisville, Ky. ..... July 27
Aug. 9. Library, Bloomington, Ind. ..... June 29
Aug. 9. Building, etc., Chicago, Ill. ..... June 22
Aug. 10. Jail, Salem, Va. ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 10. Schools, Hackensack, N. J. ..... July 27
Aug. 12. Steelwork, etc., Washington, D. C. ..... July 27
Aug. 14. Court-house, Cedartown, Ga. ..... July 6
Aug. 16. Post-office, McKeesport, Pa. ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 15. Light fixtures, Pekin, Ill. ..... July 27
Aug. 17. Building, Hayward, Wis. ..... July 27
Aug. 17. Post-office, Burlington, Ia. ..... July 13
Aug. 19. Building, Portsmouth, N. H. ..... July 27
Aug. 21. Hospital, Southport, N. C. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 22. Buildings, Santa Fe, N. Mex. ..... July 27
Aug. 28. Hospital, Buffalo, N. Y. ..... July 27
Advertised, Eng. News, July 27 to Aug. 31.
Sept. 4. Heating system, etc., Huntington, Ind. ..... July 27
Sept. 14. Hotel, Little Rock, Ark. ..... July 6
No date. Heating plant, Pittsburg, Pa. ..... July 27

WATER SUPPLY AND IRRIGATION.

July 28. Well, Chicago, Ill. ..... July 20
July 28. Valves, Cincinnati, O. ..... July 13
July 29. Water tunnel, Chicago, Ill. ..... July 20
July 31. Brass goods, Winnipeg, Man. ..... July 20
Advertised, Eng. News, July 20.
Aug 1. Water-works improvements, Ashland, Pa. ..... July 20
Advertised, Eng. News, July 20 and 27.
Aug. 1. Canal improvement, Modesto, Cal. ..... July 20
Aug. 1. Water-works, Cincinnati, O. ..... July 6
Advertised, Eng. News, July 6 to 27.
Aug. 3. Water-works, Mascoutah, Ill. ..... July 20
Aug. 3. Water pipe, Madison, S. Dak. ..... July 20
Aug. 3. Dam, reservoir, Augusta, Me. ..... July 27
Advertised, Eng. News, July 27.
Aug. 5. Reservoir, etc., Hot Springs, S. Dak. ..... July 20
Aug. 5. Water main extensions, Norwalk, O. ..... July 20
Aug. 5. Water-works, Barnesville, Minn. ..... July 20
Aug. 7. Water pipe, Homestead, Pa. ..... July 20
Aug. 7. Pumping plant, Winnipeg, Man. ..... July 6
Advertised, Eng. News, July 6 to 20.
Aug. 7. Filter plant, St. Cloud, Minn. ..... July 13
Aug. 7. Pipe, Falmouth, Mass. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 8. Water-works, Republic, Mich. ..... July 27
Advertised, Eng. News, July 27.
Aug. 8. Water-works, Columbia, S. C. ..... June 29
Advertised, Eng. News, June 29 to July 27.
Aug. 8. Water-works, Hammond, La. ..... July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 8. Reservoir, etc., Oneida, N. Y. ..... July 20
Advertised, Eng. News, July 20.
Aug. 9. Water-wks. improvements, Boston, Mass. ..... July 27
Aug. 9. Pumping station, etc., New York, N. Y. ..... July 27
Aug 10. Water-works, light plant, Bolivar, Tenn. ..... July 27
Advertised, Eng. News, July 27.
Aug. 11. Stand-pipe, Grand Rapids, Mich. ..... July 20
Advertised, Eng. News, July 20 and 27.
Aug. 11. Pipe laying, Cincinnati, O. ..... July 20
Aug. 12. Water-works, Newark, O. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 14. Water-works, Lonetree, Ia. ..... July 27
Aug. 14. Pipe laying, Union, N. J. ..... July 27
Advertised, Eng. News, July 27 to Aug. 17.
Aug. 15. Reservoir, etc., Fort McPherson, Ga. ..... July 27
Aug. 16. Pathfinder dam, Denver, Colo. ..... July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 24. Water-wks., electric light, Marksville, La. ..... July 27
Advertised, Eng. News, July 27.
Aug. 26. Reservoir, etc., Ft. Moultrie, S. C. ..... July 27
Advertised, Eng. News, July 27 to Aug. 17.

SEWERAGE.

July 27. Sewers, Cincinnati, O. ..... July 13
July 29. Sewer, Ashtabula, O. ..... July 27
July 31. Sewage system, Farmington, Mo. ..... July 27
Aug. 1. Sewers, Warren, O. ..... July 27
Aug. 1. Sewers, Phillipsburg, N. J. ..... July 27
Aug. 1. Sewers, Lake Placid, N. Y. ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 1. Sewer, Washington, D. C. ..... July 6
Advertised, Eng. News, July 6 to Aug. 3.
Aug. 2. Sewers, Wyandotte, Mich. ..... July 20
Advertised, Eng. News, July 20 and 27.
Aug. 2. Sewers, Pipestone, Minn. ..... July 20
Aug. 2. Sewer, Gulfport, Miss. ..... July 27
Aug. 2. Sewers, etc., Perry, Ia. ..... July 27
Advertised, Eng. News, July 27.
Aug. 5. Sewers, West Haverstraw, N. Y. ..... July 20
Advertised, Eng. News, July 20 and 27.
Aug. 5. Sewers, Alliance, O. ..... June 29
Aug. 5. Sewer, Phillipsburg, N. J. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 7. Sewers, Anaconda, Mont. ..... July 27
Aug. 7. Sewers, Albany, N. Y. ..... July 27
Aug. 8. Sewer, Tell City, Ind. ..... July 27
Aug. 8. Sewers, West Point, N. Y. ..... July 13
Advertised, Eng. News, July 13 to Aug. 10.
Aug. 11. Drains, Cincinnati, O. ..... July 20
Aug. 11. Sewer, Grand Rapids, Mich. ..... July 20
Advertised, Eng. News, July 20 and 27.
Aug. 15. Sewers, New Britain, Conn. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 16. Sewer, Winchester, Ind. ..... July 27
Aug. 22. Sewer system, Santa Fe, N. Mex. ..... July 27
Aug. 23. Sewers, Chicago, Ill. ..... July 27
Advertised, Eng. News, July 27 to Aug. 17.
Aug. 24. Sewers, Clinton, Ia. ..... July 27

STREETS AND ROADS.

July 28. Paving, asphalt, Akron, O. ..... July 13
July 29. Grading and filling, New Orleans, La. ..... July 6
July 29. Paving, brick, Jersey Shore, Pa. ..... July 20
Advertised, Eng. News, July 20 and 27.
July 29. Grading, Seattle, Wash. ..... July 27
July 31. Paving, brick, Kinston, N. C. ..... July 20
Advertised, Eng. News, July 20 and 27.
July 31. Paving, brick, Lansing, Mich. ..... July 27
July 31. Road, Tipton, Ind. ..... July 20
July 31. Roads, Danville, Ind. ..... July 20
July 31. Road, Monticello, Ind. ..... July 13
Aug. 1. Paving, Elizabeth, N. J. ..... July 13
Aug. 1. Paving, Bayonne, N. J. ..... July 20
Advertised, Eng. News, July 20 and 27.
Aug. 1. Road, Denver, Colo. ..... July 20
Aug. 1. Stone roads, Valley Forge, Pa. ..... July 27
Aug. 1. Sidewalks, Passaic, N. J. ..... July 27
Aug. 1. Paving stone, etc., Buffalo, N. Y. ..... July 27
Aug. 1. Granolithic walks, Mamora, Ont. ..... July 27
Aug. 3. Paving, Springfield, Mass. ..... July 13
Advertised, Eng. News, July 13 and 20.
Aug. 4. Macadam road, Washington, D. C. ..... July 13
Advertised, Eng. News, July 13 to Aug. 10.
Aug. 4. Roads and walks, Richmond, Ind. ..... July 27
Aug. 5. Sidewalks, wooden, Seattle, Wash. ..... July 27
Aug. 5. Paving, brick, Washington, D. C. ..... July 13
Aug. 7. Roads, Martinsville, Ind. ..... July 13
Aug. 7. Paving, vitrified brick, Greensburg, Pa. ..... July 20
Aug. 7. Macadamizing, etc., Green Bay, Wis. ..... July 20
Aug. 7. Rock roads, English, Ind. ..... July 27
Aug. 7. Walks, etc., Albany, N. Y. ..... July 27
Aug. 7. Paving, Auburn, N. Y. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 7. Gravel road, Columbus, Ind. ..... July 27
Aug. 7. Macadamizing, Greensburg, Ind. ..... July 27
Aug. 8. Roads, Knox, Ind. ..... July 27
Aug. 8. Gravel road, Corydon, Ind. ..... July 27
Aug. 8. Paving, Shreveport, La. ..... July 27
Aug. 8. Paving, Auburn, N. Y. ..... July 20
Aug. 8. Paving, Shreveport, La. ..... June 29
Advertised, Eng. News, June 29 to Aug. 10.
Aug 11. Road, Cincinnati, O. ..... July 20
Aug. 11. Roads, Napoleon, O. ..... July 27
Aug. 12. Road, Harrisburg, Pa. ..... July 27
Aug. 15. Gravel road, Crownpoint, Ind. ..... July 15
Aug. 28. Asphalt plant, New Orleans, La. ..... July 27
Advertised, Eng. News, July 27 to Aug. 30.

MISCELLANEOUS CONTRACTS.

July 29. Cement, sand, tile, etc., Wash., D. C. ..... June 29
July 29. Dredging, Bremerton, Wash. ..... June 22
July 29. Grading and filling, New Orleans, La. ..... July 6
July 31. Cement, Glendive, Mont. ..... July 6
Advertised, Eng. News, July 6 to 27.
July 31. Steel lock gates, Pittsburg, Pa. ..... July 6
Advertised, Eng. News, July 6 to 27.
July 31. Air compressors, etc., Washington, D. C. ..... July 6
Advertised, Eng. News, July 6 to 27.
July 31. Wharf, etc., Detroit, Mich. ..... July 6
July 31. Concrete, ry. wk., Florida East Coast Ry. ..... June 22
Advertised, Eng. News, June 22 to July 27.
July 31. Steel boat, Vicksburg, Miss. ..... July 20
Aug. 1. Spikes, nails, etc., Washington, D. C. ..... July 6
Aug. 1. Light-house, Mobile, Ala. ..... July 6
Advertised, Eng. News, July 6 to 27.
Aug. 1. Dredging, Boston, Mass. ..... July 27
Aug 2. Dredging, Savannah, Ga. ..... July 6
Advertised, Eng. News, July 6 to 27.
Apr. 2, 1906. Port works, Chile ..... Apr. 27
Advertised, Eng. News, Apr. 27 to Jan. 25.
Aug. 2. Lumber, Washington, D. C. ..... July 20
Aug. 3. Dredging, New London, Conn. ..... July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 3. Motor, valves, etc., Washington, D. C. ..... July 27
Aug. 3. Earthwork, Elsberry, Mo. ..... July 27
Aug. 3. Dredging, Norfolk, Va. ..... July 6
Advertised, Eng. News, July 6 to 20.
Aug. 4. Ditch work, Rensselaer, Ind. ..... July 20
Aug. 5. Piling, earthwork, Sacramento, Cal. ..... July 27
Aug. 5. Conduit, Washington, D. C. ..... July 27
Aug. 8. Electrical supplies, etc., Wash., D. C. ..... July 27
Aug. 8. Cement, fence, etc., Washington, D. C. ..... July 27
Aug. 8. Curbstone, boilers, etc., Washington, D. C. ..... July 27
Aug. 8. Dredge work, Wauseon, O. ..... July 20
Aug. 8. Levee, Walnut Hill, Ark. ..... July 20
Aug. 10. Levee, New Orleans, La. ..... July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 10. Flagstaff, St. Louis, Mo. ..... July 20
Aug. 11. Levee work, New Orleans, La. ..... July 20
Advertised, Eng. News, July 20 to Aug. 10.
Aug. 11. Dredging, Norfolk, Va. ..... July 20
Advertised, Eng. News, July 20 and Aug. 3.
Aug. 14. Dredging, Detroit, Mich. ..... July 27
Aug. 15. Cement, timber, etc., Washington, D. C. ..... July 27
Aug. 15. Laborers, Panama ..... July 27
Aug. 16. Removing buildings, Delaware City, Del. ..... July 27
Advertised, Eng. News, July 27 to Aug. 17.
Aug. 17. Light-house, Buffalo, N. Y. ..... July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 17. Dike, Los Angeles, Cal. ..... June 22
Advertised, Eng. News, June 22 to Aug. 3.
Aug. 18. Dredging, Newport, R. I. ..... July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 18. Inlet wall, San Francisco, Cal. ..... July 20
Advertised, Eng. News, July 20 to Aug. 17.
Aug. 19. Dredges, Washington, D. C. ..... July 20
Advertised, Eng. News, July 20 to Aug. 24.
Aug. 21. Steel bars, Glendive, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 21. Dredging, Wilmington, Del. ..... July 27
Advertised Eng. News, July 27 to Aug. 24.
Aug. 21. Traveling crane, Washington, D. C. ..... July 27
Advertised, Eng. News, July 27 and Aug. 3.
Aug. 22. Machinery, Washington, D. C. ..... July 27
Aug. 25. Laundry machines, pipe, etc., Wash., D. C. ..... July 27
Aug. 26. Coaling plant, Philippines ..... May 4
Aug. 27. Filling and grading, Key West, Fla. ..... July 20
Aug. 28. Canal, Montrose, Colo. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Aug. 29. Bonds, Marksville, La. ..... July 27
Advertised, Eng. News, July 27.
Aug. 29. Forges, etc., Washington, D. C. ..... July 27
Sept. 1. Steel manufacture, New South Wales. ..... Mar. 23
Advertised, Eng. News, Mar. 30 to June 29.
Sept. 5. Dam, Billings, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept 6. Tunnel, Billings, Mont. ..... July 13
Advertised, Eng. News, July 13 to Aug. 3.
Sept. 9. Concrete work, Florida East Coast Ry. ..... July 27
Advertised, Eng. News, July 27 and Aug. 31.
Nov. 1. Railroads, Philippines ..... June 15
Nov. 9. Wharf, etc., Havana, Cuba ..... July 27
Jan. 1. Statue, Indianapolis, Ind. ..... July 20
Advertised, Eng. News, July 20.
No date. Inclines, etc., Shreveport, La. ..... July 27
Advertised, Eng. News, July 27.

RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

ATLANTIC & EAST COAST TERMINAL.—The Atlantic and East Coast Terminal Co. has been chartered to locate, construct, equip operate and maintain a terminal railroad in Jacksonville, Fla. Geo. W. Haines is Pres.; J. R. Parrott, vice-Pres.; H. S. Jenison, Secy. and Treas.; Geo. W. Haines, J. R. Parrott, H. S. Jenison and A. V. S. Smith are directors. Capital, $500,000.

ALBANY & NORTHERN.—It is reported that a 40-mile extension, via Newton, to Colquitt, Ga., is under survey. T. S. Crewe, Albany, Ga., is Ch. Engr. and Gen. Mgr.

AUGUSTA & FLORIDA.—Stockholders at a recent meeting elected Allen W. Jones, of Augusta, Ga., Pres.; W. M. Blount, of Union Springs, Ala., vice-Pres. and Gen. Mgr.; and H. S. Jones, of Augusta, Secy. Company will build a railroad from Augusta, Ga., to the Gulf of Mexico.

BALTIMORE & OHIO.—We are informed that contract for the construction of over three miles of new track on the main line of the Baltimore & Ohio Railroad, between Hollofields and Alberton, west of Ellicott City, Md., has been awarded to THOMAS A. SHOEMAKER & CO., of Pittsburg, Pa. Work will include two tunnels.

Improvements, elimination of grade crossings and track elevation, to cost about $2,000,000, will be undertaken soon at Wheeling, W. Va. D. D. Carothers, Baltimore, Md., is Ch. Engr.

BOISE, NAMPA & OWYHEE.—Extensions are under consideration to be built from Emmett to Horseshoe Bend, Idaho; and from Middleton to Eagle Island, Idano, a total of 30 miles. E. H. Dewey, Nampa, Idaho, is Pres. and Gen. Mgr.

BUCHANAN & TAZEWELL. — Company will build railway line in Virginia. E. F. Hager, M. F. Fleming and John F. Hager, of Ashland, Ky., are interested.

CENTRAL ILLINOIS.—This company has been incorporated in Illinois to build an extension of the Pawnee R. R. J. J. Hart, 215 Dearborn St., Chicago, is vice-Pres. and Gen. Mgr. of the Pawnee line. The new railway will run from Roodhouse, Ill., to Paris. Capital, $50,000. Incorporators are Francis S. Peabody, W. Underwood, N. S. Smyser, M. S. Somerville, Nelson Thomassen, Jr., and Robert J. Devine, all of Chicago.

CACHE VALLEY.—It is announced that company will build an extension from Crowley to Paragould, Ark. H. A. Culver is vice-Pres. and Gen. Mgr., at Sedgwick, Ark.

CHICAGO & ALTON.—The line between Bloomington and Springfield, Ill., will be doubletracked. It is 51 miles long. E. H. Kimball, Chicago, is Ch. Engr.

CLEARFIELD LUMBER CO.—We are informed that surveys are made for a 12-mile railway between Morehead and Barbours, Ky., for the Clearfield Lumber Co. A. W. Lee is Pres. and E. W. Hess, Ch. Engr., both at Clearfield, Pa. The line will pass through Bradys, Lower Lick and Paragon. Right-of-way is assured. Contracts have not been let.

CLEVELAND SHORT LINE.—Company has been incorporated under this title to build a belt line railway around Cleveland, O., from Fairport to Lorain. Est. cost, $10,000,000. Finances secured. Right-of-way partly secured. Preliminary surveys are made.

CLEVELAND, CINCINNATI, CHICAGO & ST. LOUIS.—We are informed that contracts for work involved in the Cairo Division reconstruction have been awarded as follows: Tilton-Danville extension—District A: MACARTHUR BROS. CO., Chicago, Ill., earthwork, 500,000 yds.; masonry, 3,000 yds.; BATES & ROGERS CONST. CO., Chicago, masonry, 9,000 yds. Tilton to Allendale—District B: W. J. OLIVER, Knoxville, Tenn., earthwork, 1,400,000 yds.; WIDELL-FINLEY CO., Chicago, Ill., masonry 15,000 yds. Allendale to Harrisburg—District C: WALSH & JOHNSON, Davenport, Ia., earthwork, 1,000,000 yds.; COLLIER BRIDGE CO., Indianapolis, masonry, 17,000 yds. Lawrenceville relocation—District D: WELLS BROS. & BROWN, St. Louis, Mo., earthwork, 250,000 yds.; MOORE-MANSFIELD CONSRUCTION CO., Indianapolis, masonry, 10,000 yds. William M. Duane is Supt. Construction, at Cincinnati, O.

CANADIAN VALLEY & WESTERN.—Survey has been completed for line from Chickasha, Ind. T., to Leigh. Construction will begin soon. Continuation of railway to Paris, Tex., is planned. Dorset Carter, Chickasha, is Pres.

DENVER, ENID & GULF.—The Oklahoma City Terminal Association has been organized, with a capital of $150,000, to build terminal grounds for the Denver, Enid & Gulf and the Fort Smith & Western companies at Oklahoma City, Okla.

FLORIDA EAST COAST.—Bids are asked until Sept. 9 at the office of J. C. Meredith, Constructing Engr., F. E. C. Ry., Miami, Fla., for the construction and completion of reinforced concrete arch work involving the expenditure of about 125,000 cu. yds. of concrete on the extension of the F. E. C. Ry., as follows: 45,000 cu. yds. at Knight's Key Channel, 45,000 cu. yds. at Moser Channel, 35,000 cu. yds. at Bahia Honda. (Advertised, Engineering News.)

GEORGIA, FLORIDA & ATLANTA.—The Atlanta, Ga., "Journal" states that extension is proposed from Carabelle, Fla., to Atlanta via Columbus, Ga. J. Bonnyman, Bainbridge, Ga., is Ch. Engr.

GREAT BEND & GULF.—Great Bend, Kan., Commercial Club is interested in project to call a special election to vote on issuance of bonds for building this road. Incorporation was noted last week.

GREAT NORTHERN.—GRANT SMITH & CO., of Seattle, Wash., will double-track the line between Seattle and Everett, Wash. Est. cost, $1,250,000. Construction will begin next month.

JOHNSON CITY, BAKERSVILLE & SOUTHERN.—It is reported that company will extend its line from Davisville to Bakersville Tenn., 22 miles. J. B. Thomas is Gen. Mgr., at Johnson City, Tenn.

LOUISIANA RY. & NAVIGATION CO.—D. C. Fenstermaker, Ch. Engr., at Shreveport, La., writes us that railway is constructed from Shreveport to Red River, 175 miles. Rails are being laid both north and south of Baton Rouge, La., 78 miles, which will reach the Mississippi River about Sept. 1. Plans and specifications are prepared. Specifications for inclines at Mississippi River are on file at office of Engineering News, New York. Contracts will be let for 36 miles of grading between Baton Rouge and New Orleans, amounting to about 400,000 yds.

LOUISVILLE & NASHVILLE.—A branch line may be constructed from Lafollette, Tenn., to Cumberland Gap, about 28 miles.

MONTANA NORTHERN.—Marcus L. Hewitt, of Basin, Mont., is promoting this railroad. It will be built from Basin to Kalispell. Capital is $6,000,000. Gubbins & Co., 65 London Wall, London, England, are selling stock. The railway will be about 200 miles long. J. H. Farmer, of Helena, Mont., is Engr.

NEW YORK CENTRAL & HUDSON RIVER.—Tract of land has been acquired at Gardinville, near Buffalo, N. Y., where this company will locate transfer and terminal yards to cost $4,000,000.

PITTSBURG, CINCINNATI, CHICAGO & ST. LOUIS.—We are advised that contract for double-tracking between Wilberforce and Florence, O., has been let to JONES BROS., of Columbus, O. Work is about 40% completed. Previously noted.

SOUTHEASTERN ARKANSAS.—The Southeastern Arkansas Railroad Co. has been chartered to build the proposed extension of the St. Louis & North Arkansas Railroad from Leslie to Garner and Looke, Ark., with a branch to Little Roick, a total distance of 141 miles. The officers are George L. Sands, of Eureka Springs, Ark., Pres.; John Scullin, of St. Louis, vice-Pres.; W. K. Smith, of Little Rock, Secy., and C. L. Gilbert, of St. Louis, Treas. The directors include the officers and David R. Francis, of St. Louis; S. W. Reyburn, C. F. Penzel and E. G. Thompson, of Little Rock. S. W. Lee, of Eureka Springs, is Ch. Engr. Mr. Scullin is Pres. of the St. Louis & North Arkansas Ry. Capital stock is $3,500,000.

ST. LOUIS, IRON MOUNTAIN & SOUTHern.—JOHNSTON & GROMMET BROS., of Eudora, Ark., have contract to build a 77-mile extension from Eudora to Gilbert, La., connecting at the latter point with the New Orleans & Northwestern Ry. E. F. Mitchell, Engr. of Construction for Missouri Pacific, at St. Louis, Mo., is in charge.

SOUTH CAROLINA.—The United States Kaolin & Development Co. will build a railroad from its mines at Chalk Hill, S. C., connecting with the main line of the Southern R. R. S. E. CROWLEY, of Atlantic City, N. J., has contract to build the line.

SOUTHERN RY.—This company may continue the extension now being built to Stevenson, Ala., on to Louisville, Ky., via Crossville, Tenn.

VALE & MALHEUR VALLEY.—This company has been organized at Vale, Ore., to build from that place to a point on the railway of the Oregon Short Line. Elmer A. Clark is Pres.; J. W. McCulloch is vice-Pres.; F. Petrie, Secy., and M. G. Hope, Treas. Capital is $150,000. Construction will be begun soon.

WEST RIVER.—We are advised that the Brattleboro & Whitehall Ry., which recently reorganized under title of the West River Ry., is being changed from narrow gage to standard gage by the company. Walter C. Noyes, New London, Conn., is Pres.; J. M. Morrison, St. Albans, Vt., is Ch. Engr. Line is 136 miles long, running from Brattleboro to South Londonderry. W. G. Crabbe, St. Albans, is Auditor.

WESTERN & ATLANTIC.—An extension of this road from Atlanta, Ga., to Atlantic coast is before legislature. J. L. McCullum, Atlanta, is Supt.

WASHINGTON, POTOMAC & CHESAPEAKE.—Right-of-way is secured for extension from Mechanicsville to Esperanza, Md. W. W. Early, Brandywine, Md., is Gen. Mgr.

ELECTRIC RAILWAYS.

The names of parties awarded contracts are printed in capital letters.

SYRACUSE, N. Y.—The Syracuse Rapid Transit Ry. will build an extension to its line on the north side of the city. E. G. Connette is Gen. Mgr.

TICONDEROGA, N. Y.—The Ticonderoga Union Terminal Railroad Co. has been incorporated to build and operate an electric railroad from the Rutland Railroad Co.'s track at Addison Junction to the limits of the village of Ticonderoga. It is capitalized at $50,000. The directors are as follows: I. Rothschild, A. B. Akins, Alexander H. Weed, S. B. Willis, M. V. Drake and S. P. Locke, all of Ticonderoga.

DANSVILLE, N. Y.—The headquarters of the Rochester & Southern Ry., including power plant, shops, etc., will be located in this city. The railway will be 120 miles long, from Rochester to Elmira via Dansville.

PHILADELPHIA, PA.—The Philadelphia & Garretford St. Passenger Ry. Co. has been granted necessary franchises and right-of-way and will begin construction of its line from point near Market and 63d Sts. to Clifton. The line will be double-tracked.

HARRISBURG, PA.—The Harrisburg & Hummelstown St. Passenger Ry. Co. (controlled by the Central Pennsylvania Traction Co.) will complete its line to Hummelstown this summer. Frank B. Musser is Pres.

FALLS CHURCH, VA.—The Washington & Virginia Transit Co., of Glencarlyn, Alexandria County, has been chartered. Capital, $100,000 to $400,000. The officers are M. E. Church, of Falls Church, Pres.; W. C. Pennwitt, of Glencarlyn, first vice-Pres.; M. C. Mitchell, of Glencarlyn, second vice-Pres.; John B. Henderson, Jr., of Ballston, Secy., and Charles A. Kolb, of Barcroft, Treas. An electric railway will be constructed from Washington, D. C., through Fairfax, Loudoun, Fauquier and Alexandria Counties, in Virginia, by way of Upperville, Aldie and Middleburg.

RICHMOND, VA.—THE SOUTHERN CONTRACT CO., of Philadelphia, has general contract for building the Citizens' Rapid Transit Co.'s railway in Richmond. The OSWEGO BRIDGE CO. has contract for a viaduct.

SUMTER, S. C.—The Sumter Electric Lighting & Ry. Co. will soon begin construction of a lighting plant and street railway line. Company has been chartered in Delaware, with $200,000 capital. It holds a 50-year franchise in this city. J. L. Alnutt, of Sumter, Pres. of the Sumter Ry. & Mill Supply Co., is manager of the new company.

NASHVILLE, TENN.—D. Roswell Brown, Ch. Engr. Nashville & Huntsville Ry., Steger Bldg., Nashville, informs us that this company "will let contracts for grading, bridging, tracklaying and ballasting on the first division of 107 miles very soon. The road complete will be 422 miles long and will be built in the next 18 months. This line of road travels through the garden spot of Tennessee and Alabama, and when complete will be known as the 'Nashville Southern Air Line Railway,' traveling from Nashville, through Shelbyville, Fayetteville, Huntsville, Birmingham, Montgomery, Hainsville, to Camden, Ala. At Camden a junction is formed, the main line continuing to Pensecola, Fla., the other line bridging the Alabama River, four miles below Camden and continuing to Pine Bluff, where connection is made with the Mobile & Ohio Ry. for Mobile Bay. This is a low-grade line of railway. It travels through the natural valley of Tennessee and Alabama and Florida. This line will give an outlet for the coal and ore in the Cumberland mountains and the phosphate rock in middle Tennessee, the iron industries of Birmingham and the black belt cotton fields. The line is projected by J. H. Connor, of Nashville. The people in the counties this road passes through have responded liberally with free right-of-way and cash subscriptions toward the building of the road." See June 15 and July 13 issues.

CHATTANOOGA, TENN.—Samuel Divine, of Chattanooga, is promoting an electric railway line from Chattanooga, through Chickamauga Park via Ringgold, to Catoosa Springs.

LAKE PROVIDENCE, LA.—A. B. SANDERS, of Shreveport, is stated to have contract for building the Lake Providence & Gouldsboro Ry. line. Franchise has been granted company. The officers are: Joseph L. Fischer, Pres.; W. E. Dunn, vice-Pres.; Edward J. Hamley, Secy. and Treas.

TOLEDO, O.—A. K. Detwiler, T. T. Ansberry, L. R. Schenck, W. H. Edwards and P. Kettoning, of Defiance, O., have incorporated the Toledo, Defiance & Southern Ry. Co., which will build an electric line from Toledo to Cincinnati. Nominal capital, $10,000. It will pass through Van Wert, Celina, Greenville, Eaton and Hamilton Counties.

FORT WAYNE, IND.—The Fort Wayne, Marion & Bluffton Electric Ry. Co. has awarded contract to the CAMBRIA IRON CO. for rails for its line. C. D. Emmons is Mgr.

INDIANAPOLIS, IND.—The Indianapolis, Newcastle & Toledo Electric Ry. Co. will build a belt line around this city. D. M. Parry, C. S. Hernley, W. E. Stevenson, E. H. Bundy and Eli Marvin are interested in the project.

HAMMOND, IND.—We are informed, under date of July 19, that right-of-way will be obtained at once and that construction of North Central R. R. line will be begun at Hammond within 60 days. Indianapolis will be the southern terminal. Lee Gower, 46 Lombard Bldg., Indianapolis, is Pres. Capital stock is $500,000.

SHELBYVILLE, IND.—The Indianapolis & Cincinnati Traction Co. may extend its Indianapolis, Shelbyville & Southeastern Traction line from Shelbyville to Greensburg. Charles L. Henry is Pres. and Gen. Mgr., Traction Terminal Bldg., Indianapolis. City council has granted Mr. Henry necessary franchise.

BATTLE CREEK, MICH.—We are informed that AMERICAN RAILWAY & CONSTRUCTION CO., 42 Broadway, New York, has contract for building the Battle Creek & Coldwater Electric railroad from Battle Creek to Athens, to Mason City, to Coldwater, 40 miles. All right-of-way is secured, surveys made and franchises secured. A $1,000,000 bond is to be issued. A small portion of the issue will be underwritten along the line. H. M. Griffin, Battle Creek, is Pres.

PRINCETON, ILL.—Bonds amounting to over $100,000 have been pledged by citizens of this place toward the extension of the Illinois Valley Railway Co. from Ladd, Ill., to Princeton. Citizens' committee in charge of subscriptions consists of Watts Johnson, Chn.; C. H. Delano, S. P. Clark, H. H. Priestley, H. H. Gibbs and Chas. F. Anderson. H. E. Chubbuck, of La Salle, Ill., is Gen. Mgr. of the Railway Co.

CHICAGO, ILL.—The North Central Railway Company, capital $500,000, is reported to have been incorporated in Indiana to build a line from Wanatah, Laporte County; through Valparaiso, Hobart, Toleston, Hammond and Whiting to Chi... are John Conkey, of Val... ence H. Jones, B. F. W... Canis.

GREEN BAY, WIS.—B... Green Bay Traction Co., ... lines are being considered ... this year. Construction ... necessarily of light char... pany is a consolidation ... Electric Ry. & Power Co. ... struction Co., connecting ... Rapids, Wrightstown and ... W. Knox, Fisher Bldg., Ch... and Gen. Mgr. A. M. Mur... is Pres. New Company ha... tal.

COUNCIL BLUFFS, I... with the details noted la... the electric railway from ... Griswold, it is announced t... of the Council Bluffs & E... mile County Electric Railwa... preliminary organization un... the H. H. Van Brunt Comp... associated with Mr. Van B... terprise are: H. A. Quim... ald, H. W. Bender, Congr... Smith, E. H. Merriam and ... of Council Bluffs. It wa... order the completion of the ... Carson to Griswold at once. ... $1,000,000.

DALLAS, TEX.—The Texas Traction Co. will be chartered to build interurban lines to various cities, radiating from Dallas. J. F. Strickland, Pres. of the Dallas Securities Co., is Pres.; Jesse Shain, of ... Kinney, Tex., Pres. of the Callin County National Bank, is first vice-Pres.; William H. ... Dean, of Howe, Pres. First National Bank, is second vice-Pres., and W. R. Brents, Pres. Commercial National Bank, of Sherman, is Treas.

GAINESVILLE, TEX.—The Gainesville, Whiteboro & Sherman R. R. Co. will be chartered with a capital stock of $500,000. Officers have been elected recently, as follows: G. A. Hassinger, 223 North Peters St., New Orleans, La., Pres. and Gen. Mgr.; John L. King, of Gainesville, vice-Pres. and Assistant Gen. Mgr.; Henry Bier, of Gainesville, Secy. and Treas.; Potter & Potter, Gainesville, General Attorneys; H. B. Steed, Attorney, at Whitesboro; Smith & Wall, Attorneys, at Sherman. President Hassinger is reported as saying that it is expected to begin actual construction within 90 days.

TECUMSEH, OKLA.—The Oklahoma Electric Railway Co. has been organized, with a capital of $250,000. Alfred Hare is Pres., Charles Blickensderfer, Secy. and Treas.; S. J. Dickerson, E. T. Fullerton and E. M. Milburn are directors. The purpose of the company is to establish an interurban line between Tecumseh and Shawnee.

RED BLUFF, CAL.—E. B. Walbridge, of Tuscan, Cal., who was recently granted a franchise, informs us that right-of-way has been secured for a 9-mile line from Red Bluff to Tuscan Springs for a gas motor railway line. Surveys are made. Noted on June 15.

LEWISTON, IDAHO.—CHARLES E. LOSE, of San Francisco, Cal., has been awarded contract to build the Lewiston & Southeastern Elec. Ry. Co.'s line between Lewiston and Grangeville, with a branch line to Nez Perce City. Noted last week. J. A. Manly is Consult. Engr. Estimated cost of construction is $3,000,000.

QUEBEC, QUE.—Government aid is asked for the Quebec & Saguenay Ry. The promoters of the project are Rudolph Forget, of Montreal; Hon. E. B. Garneau, George Tanguay, N. Rioux, W. Price, A. R. Macdonald, W. ... Ross, Managing Dir. Montreal St. Ry., and others.

LIGHT AND POWER PLANTS.

The names of parties awarded contracts are printed in capital letters.

PITTSFIELD, MASS.—The Pittsfield Electric St. Ry. Co. will erect a power house on Seymour St. C. K. Stearns, of Boston, is Engr.; P. H. Dolan is Supt., at Pittsfield.

LAKE PLACID, N. Y.—Bids are asked until 3 p. m., Aug. 3, for construction of masonry dam, power station and foundations, one 150-KW., one 100-KW., A. C. generator, one 225-HP. and one 150-HP. water wheel, one 200-HP. steam engine, and all other station equipment, also poles, wires, transformers, etc. Bids will also be received for construction of storage reservoir and pipe line. Chas. E. Collins, Engr.; Byron B. Brewster, Village Pres. (Advertised, Engineering News.)

NEWARK, N. J.—Manalapan Light Co., capital $10,000, has been incorporated by Walter P. Lindsey, of Caldwell; William J. Lansley, of Woodbridge; William H. Lushear, Short Hills; Benjamin L. Lawrence, Elizabeth; South R. Farrington, Perth Amboy; Henry C. Birch, Newark; Oliver W. Jackson, Newark; Thomas F. Dunigan, Woodbridge, and Benjamin F. Strauss, Elizabeth. The principal office of the company is at 164 Market St., Newark. Walter P. Lindsley is representative.

RUTHERFORD, N. J.—Andrew H. Brinkerhoff, Mayor, is reported to be receiving bids on a municipal electric light and power plant. Bidders are to submit their own plans and specifications.

MORGANZA, PA.—Bids are asked until noon, July 27, for installing an arc and incandescent light plant at Pennsylvania Reform school. Isidore Coblenz is Chn. Bldg. Com. E. M. Butz Co., Bessemer Bldg., Pittsburg, is Arch.

WASHINGTON, D. C.—Bids are asked until Aug. 28 to furnish and erect switchboards, tablet boards and cabinets for the electric plant at the sewerage pumping station, sewerage disposal system, D. C. Henry B. F. Macfarland, Chester Harding (Acting), Commissioners, D. C. (Advertised, Engineering News.)

ROANOKE, VA.—The Bedford Power Co. has been ...tered. E. L. Moir is Pres., Roanoke; W. ... Troit, vice-Pres., Staunton; Walter R. ...ples, Secy., Roanoke. Capital, maximum, $... Company will construct, maintain a... operate grist mills, saw mills and power ... for the production of light, heat and ...tricity.

MORGAN... WN, W. VA.—The Atlantic Gas Co., ... $100,000 capital stock, has been cha... Incorporators are H. R. Warfield, ... H. McGrew, C. E. Peddicord, Joseph H... ermott and William E. Glasscock. Co... y will supply natural gas.

WILLIA... N, W. VA.—We are informed by B. ... ph Bias, Secy. of the Big Sandy R... Improvement Association, Williamson, ... e is "interested in matter of supplying ... icial gas to a town of 3,000 people, and ... sires information regarding the sort of pl... to be installed, the cost of the plant and ... cost of production and probable selling ... rice of gas for domestic and manufactu... purposes."

GREENSBORO, N. C.—Bandy & Terrell, Consulting Engrs., of Greensboro, inform us that surveys have been nearly completed for power development for the Southern Yadkin River Development Co. Plans for preliminary work will be completed Aug. 1. Horsepower has not been determined, although development has been found to be feasible. Company expects to build a 12-mile canal to carry water from Yadkin River, under 60-ft. head. Approximate cost of plant is $2,000,000.

VALDOSTA, GA.—Valdosta Gas Co. has been organized. Capital stock, $50,000. W. C. Lewis is Pres.; F. W. Armstrong, Secy., and C. R. Miller, Gen. Supt., all of Tallahassee, Fla. Company will construct and operate gas plant. Noted on July 13.

MARIANNA, FLA.—Town has voted to issue bonds for electric light plant. Est. cost, $9,000. F. G. Merrit, Clk. Noted on July 6.

DE LAND, FLA.—John H. Cruse is said to be interested in construction of a gas plant.

ELBA, ALA.—The Pea River Power Co. will be incorporated by Charles Henderson, H. D. Boyd, J. M. Garrett, B. W. Page, Y. W. Rainer and W. B. Perdue to furnish electric light and power to this city. Capital is $100,000.

BOLIVAR, TENN.—See under Water-Works.

LOGANSPORT, IND.—The Logansport & Wabash Valley Gas Co. will erect a fuel gas plant to supply Logansport, Peru and Wabash. Sam Murdock is Gen. Mgr. Estimated cost, $1,000,000.

PORTLAND, MICH.—Village may install an electric light and power plant. S. E. Jarvis may be interested.

PONTIAC, MICH.—The Clinton River Power Co. has been incorporated with $75,000 capital stock. MACKEAN, BALL & CO., First National Bank Bldg., Chicago, have been awarded contract for engineering and construction work in connection with the generation of power. BERT M. ALLEN, of Pontiac, has contract for building cement power house. Fred. J. Seeley, incorporator of the company, has been granted a lighting franchise.

CANTON, ILL.—Joseph Waugh, Cy. Clk., informs us that city will grant a franchise for 25 years for street and incandescent lighting about October, 1905. The franchise of the present company expires in April, 1906. Bids will be received by the city for a contract to furnish electric lights for streets for a term of not less than five years, from Oct. 1, 1905, on the following basis: 135 standard arc lights of not less than 1,200 c. p., to burn all night or on the American Meter Co.'s lighting table schedule. For all information address G. W. Chandler, Engr.

GRAETTINGER, IA.—Contract for $4,000 acetylene lighting system was awarded to the ACETYLENE APPARATUS CO., of Chicago.

KEOKUK, IA.—The proposed dam across the Mississippi River to develop electric power at foot of the Des Moines Rapids for the Keokuk & Hamilton Water Power Co. will be from 30 to 35 ft. above standard low water and it will be from 5,000 to 7,000 ft. long, depending upon its location; 60,000 HP. will be developed, it is planned. Lyman E. Cootey, Chicago, is Consult. Engr. The officers of the company are Hon. John N. Irvin, Keokuk, Ia., Pres.; A. E. Johnstone, Keokuk, Ill, vice-Pres.; C. P. Dadant, Hamilton, Ill., vice-Pres.; R. R. Wallace, Secy.-Treas., at Hamilton; William Logan and D. J. Ayres, of Keokuk, and S. R. Parker, Hamilton, are directors. The company is incorporated under Illinois state laws. Detailed prospectus is on file at Engineering News, New York.

HELENA, MONT.—Preliminary construction has been begun on plant No. 2 for the Missouri River Power Co., 14 miles below No. 1. The dam will be 1,000 ft. long and 45 ft. high. It will cost $800,000; 12,000 HP. will be developed. It is planned to complete dam and plant by July, 1906. M. H. Gerry, Jr., Helena, is Ch. Engr. and Mgr.

LIVINGSTON, MONT.—Applications for electric lighting franchises have been made by Alexander Livingston and J. B. Swindlehurst, J. L. Bright and George H. Hill, of Helena, Mont. Mr. Bright is Pres. of the company which at present supplies the city with electric light. He offers no inducement except that he states that he expects to build an entirely new plant at once and to erect a 2-story stone building in the city for a power house. Cost of these improvements is from $125,000 to $185,000.

CHARLESTON, ARK.—J. A. Corbell is reported to be in the market for "machinery and equipment and estimated cost of construction of electric plant to furnish light to 600 residences, 100 stores, and 20 arc lights, including generator, wire, etc.; also cost of equipment for power plant to operate a motor car 20 miles."

TONKAWA, OKLA.—Board of Regents of the University Preparatory School has let contract to L. F. LEE, of Oklahoma City, Okla., for erection of power house and administration building, at $55,925.

ROSWELL, N. MEX.—George F. Blashek, of Roswell, has applied for a 30-year franchise for an electric plant.

ASHLAND, ORE.—City has voted to issue $50,000 of bonds for an electric-light plant.

SAN BERNARDINO, CAL.—The Board of Trade has appointed G. M. Cooley and W. M. Parker to investigate the proposition of a municipal lighting system.

EPHRAIM, UTAH.—Bonds for $15,000 have been issued for a municipal lighting plant. C. R. Dorius is Mayor.

VICTORIA, B. C.—It is planned to improve the city lighting plant. Est. cost, $11,000. M. Hutchinson, Victoria, is Ch. Engr. and Supt.

WINNIPEG, MAN.—Bids will be received by C. J. Brown, Cy. Clk., for a gas pumping plant.

BRIDGES.

The names of parties awarded contracts are printed in capital letters.

PROVIDENCE, R. I.—Following bids were received July 12 by Walter F. Slade, Comr., Pub. Wks., for constructing abutments and piers at Point St. bridge: Frederick E. Shaw, Providence, R. I., $69,804; Tank & McKinnon Construction Co., Providence, R. I., $61,543. Itemized bids will be given under Contract Prices.

BRIDGEPORT, CONN.—Proposals will be received by E. T. Buckingham, Cy. Clk., until Aug. 10 for the construction of a reinforced concrete arch bridge over Ash Creek between the towns of Bridgeport and Fairfield. W. W. Starr, Cy. Surv. (Advertised, Engineering News.)

NEW HAVEN, CONN.—Director Coe has awarded the contract for constructing the fender pier for the Ferry St. bridge to W. H. ALLING & CO., at $2,125.

NEW YORK, N. Y.—Sealed bids will be received by Geo. E. Best, Comr. Bridges, until Aug. 10 for furnishing the metal work for the anchorages and constructing the towers, cables, suspenders and suspended superstructure of the Manhattan bridge, over the East River, between the Boroughs of Manhattan and Brooklyn.

TROY, N. Y.—John Flynn, Jr., Cy. Engr., informs us that bids will be received until Aug. 1 for construction of a plate girder bridge at Winter St., Troy, estimated to cost $12,750. Both walks and roadway will be paved with vitrified brick on concrete. The mason work in connection with the abutments will be awarded July 28 at 11 a. m.

BINGHAMTON, N. Y.—The Common Council on July 17 awarded contract for constructing bridge on Robinson St. to the NEW JERSEY BRIDGE CO., Fuller Bldg., at $1,876 on plan No. 1, and $1,776 on plan No. 2.

HACKENSACK, N. J.—Bids are asked until 3 p. m., July 30, for constructing bridge on Monsey Road; also at 3.30 p. m. for bridge on Ronderhook Ave., Hackensack. Robt. Conklin, Chn.

TORRINGTON, N. J.—The Selectmen of the towns of Torrington and Harwinton have let the contract for a new steel bridge to the BERLIN (Conn.) CONSTRUCTION CO. for $2,800.

BATESVILLE, N. J.—Bids are asked by Bridge Committee, Court-House, Camden, until Aug. 7 for building a new iron bridge over Cooper's Creek, at Batesville. J. J. Albertson, County Engr.; Geo. W. Whyte, Chn. Plans and specifications may be seen at office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

ATLANTIC CITY, N. J.—Bids are asked by Committee on Bridges of Board of Chosen Freeholders until 11.30 a. m., Aug. 2, for construction of four new highway bridges, two to be built in town of Hammonton, and two are to be built in Germania. Frank Inderlin, Chn., Cologne, N. J.

FAIRMONT, W. VA.—The Baltimore & Ohio R. R. Co., it is stated, has let contract to F. H. CLEMENTS & CO. for building a railroad bridge across the Monongahela River near Fairmont; about $300,000 will be expended.

CHARLESTON, W. VA.—The following bids were received by the city of Charleston July 20 for constructing bridge over Elk River, as advertised in Engineering News July 6; this bridge is to replace the collapsed suspension bridge; plans were prepared by Wm. H. Hildenbrand, Engr., 1 Broadway, New York, consisting of a continuous girder with a channel span of 240 ft. and two shore spans 120 ft. each, with 22-ft. clear roadway and two 6-ft. walks; (a) plans prepared by Mr. Hildenbrand; (b) plans furnished by the contractors after specifications prepared by W. A. Hogue, Cy. Engr., using buckle plate, concrete and brick floors; (c) reinforced concrete and brick floors; (d) creosoted block floors; (e) white oak floors: Nelson-Buchanan Co., Chambersburg, Pa., (a) $76,345 and $65,340, (b) $55,358 and $52,858, (d) $48,085 and $45,585, (e) $44,134 and $41,634; Joliet (Ill.) Bridge & Iron Co., (a) $69,700 and $63,000; (b) $78,500; Owego (N. Y.) Bridge Co., (a) $68,950, (b) $66,500, (d) $55,750, (e) $51,200; King Bridge Co., Cleveland, O., (a) $68,450 and $58,000, (c) $60,000, (d) $45,960, (e) $56,600 and $42,000; West Virginia Bridge & Const. Co., Wheeling, W. Va., (a) $57,800, (c) $52,200 and $50,380, (d) $47,789, (e) 4 bids, $35,661 to $41,660; Penn Bridge Co., Beaver Falls, Pa., (a) 4 bids, $54,000 to $63,000, (b) 4 bids, $48,000 to $51,500, (c) 4 bids, $45,500 to $49,000, (d) 4 bids, $41,000 to $44,000, (e) 4 bids, $34,000 to $37,500; Virginia Bridge & Iron Co., Roanoke, Va., (b) $60,000 and $59,300; Canton (O.) Bridge Co., (d) $58,500; New Jersey Bridge Co., New York, (d) $48,475, (e) $43,775. The contract has not yet been awarded.

ROME, GA.—It is reported that the Central of Georgia railway will soon begin the erection of new iron bridges over the Oostanaula and Etowah Rivers. The improvements have been made necessary by the heavy trains now being operated. If the bridges are built it means the expenditure of large sums of money. H. W. Steele is Ch. Engr., Savannah, Ga.

MIAMI, FLA.—Sealed proposals will be received by J. C. Meredith, Consult. Engr., Florida East Coast R. R., until 3 p. m., July 31, for the construction and completion of reinforced concrete arch work, involving about 80,000 cu. yds. of concrete, on the proposed Key West extension of the said railway, on the opening between Long Key and Conch Key. Specifications, forms of proposal and particulars may be obtained on application at office of constructing engineer, where plans may be inspected.

ASHLAND, KY.—The Ashland & Ironton Bridge Co. has been organized with $1,500,000 capital stock to build a bridge across the Ohio River, connecting Ashland with Ironton, O.; offices in Cincinnati. O. E. Fischer has been appointed chief engineer.

LOUISVILLE, KY.—County Commissioners will, it is reported, receive bids until Aug. 7 for construction of two bridges, one in Lafayette Township and the other in Georgetown Township.

SPRINGFIELD, O.—Bids are asked by City Clerk until Aug. 3 for construction of an iron bridge across Buck Creek at Water St., to cost about $10,000. John W. S. Riegle, Cy. Engr. (Advertised, Engineering News.)

MARIETTA, O.—County Commissioners opened bids July 18 for constructing two iron bridges and awarded the contracts to the CHAMPION BRIDGE CO. and the MARION (O.) BRIDGE CO., at $2,250 and $1,780, respectively. A. F. Cole, County Surv.

ANDERSON, IND.—We are informed that the County Commissioners awarded contract July 18 for constructing five reinforced concrete arch bridges to the BLOCK BRIDGE & CULVERT CO., Indianapolis, at a total bid of $7,850. E. J. Wilcox, County Surv.

INDIANAPOLIS, IND.—The Board Public Works has adopted an order requiring the Indianapolis Water Co. to build a bridge over the canal at 25th St. Similar orders for other canal bridges have already been given, but the Water Company has not acted on any of them, maintaining that it cannot be held liable. The city will try to enforce its demands. B. J. T. Jeup is Cy. Engr.

MOUNT CLEMENS, MICH.—The Common Council will receive sealed proposals until Aug. 7 for construction of a two-span reinforced concrete bridge, with 50-ft. roadway and 10-ft. sidewalk on each side. Wm. F. Kracht, Cy. Clk.

GREEN BAY, WIS.—Bids are asked by County Clerk until 10 a. m., July 29, for construction of an iron bridge with stone abutments in Green Bay.

MENOMINEE, WIS.—F. W. Rowe, Cy. Engr., informs us that the contract for constructing a bridge over Red Cedar River at Menominee has been awarded to the MINNEAPOLIS STEEL & MACHINERY CO., at $12,300. Bids were opened July 15, as advertised in Engineering News July 6.

MILWAUKEE, WIS.—Plans for a $100,000 bascule bridge for Tenth St. have been prepared by the City Engineer and a recommendation for the bridge will be made at the next meeting of Council.

DULUTH, MINN.—PHALEN & DUCEY'S bid of $2,500 for the construction of a bridge across Nemadji River at 18th St. has been accepted by Board Public Works and the contract awarded to that firm.

FORT PIERRE, S. DAK.—Bids are asked by County Commissioners until Aug. 5 for construction of a steel bridge over Bad River. (Advertised, Engineering News.)

DALLAS, TEX.—Sealed bids will be received until Aug. 2 by County Commissioners for construction of six steel bridges. F. Uhl, Engr.; L. S. Darling, County Audr.

WENATCHEE, WASH.—County Commissioners have let contract for building a bridge across the Wenatchee River at Cashmere to the INTERNATIONAL CONSTRUCTION CO., of Seattle, for $5,400.

STOCKTON, CAL.—Sealed bids will be received by Eugene D. Graham, County Clk., up to 10 a. m., Aug. 8, for the construction of a concrete bridge over Powder House slough on the French Camp Turnpike, San Joaquin County.

SAN FRANCISCO, CAL.—Board Public Works recommended to the Supervisors the construction of an approach to the new Third St. bridge over Channel St., at an estimated cost of $12,000. Thos. P. Woodward is Cy. Engr.

WEAVERVILLE, CAL.—COTTON BROS & CO., of Oakland, were awarded contract for construction of proposed bridge across Trinity River near Lowden Ranch, at $6,189.

WEAVERVILLE, CAL.—Plans and specifications for a bridge across north fork of Trinity River were adopted by Supervisors and the Clerk directed to advertise for bids.

SALT LAKE CITY, UTAH.—Acting Mayor Hewlett has signed the resolution providing for the construction of a bridge across City Creek. Address Secretary of Commercial Club.

BRYSON, QUE.—Fred. Gelinas, Secy. Dept. Pub. Wks., Ottawa, Ont., is calling for tenders until Aug. 3 for repairs to bridge and reconstruction of approach ... ons, at Bryson.

BUILDINGS.

The names of parties awarded contracts are printed in capital letters.

PORTSMOUTH, N. H.—Bids are asked by Mordecai T. Endicott, Ch. Bureau of Yards and Docks, U. S. N., Washington, D. C., until Aug. 19 for the erection of a fireproof building in the Portsmouth navy yard. The structure will have a sub-basement and basement, and four stories and 160 additional cells are included, which will be installed in the prisoners' wing, already constructed. It is to be furnished with an electric passenger elevator, hot water heating, electric lighting and plumbing. It will have a slate roof.

GRAFTON, MASS.—ERNEST T. WILSON, of Natick, Mass., has been awarded contract for hospital building at Grafton. Cost, $56,644. Fuller & Delano, Archs., Worcester.

EVERETT, MASS.—P. H. Jackson & Son, Brockton, Mass., was the lowest bidder, at $82,031, for constructing Everett High School. Larring & Phipps, Archs., 53 State St., Boston.

PROVIDENCE, R. I.—J. W. BISHOP CO., Providence, were awarded the general contract for a $50,000 residence to be erected at Prudence Island, Naragansett Bay, R. I., for J. A. Gerhard, 2 Wall St., New York. Stone and brick, 2½ stories, 40 × 90 ft. Snelling & Potter, Archs., 1170 Broadway, New York.

ROCHESTER, N. Y.—The contract for construction of U. S. post-office in this city has been let to the GENERAL SUPPLY & CONSTRUCTION CO., 24 State St., New York, whose bid was $45,065.

GENEVA, N. Y.—The GENERAL SUPPLY & CONSTRUCTION CO. has the contract for the construction of a U. S. post-office at Geneva for $46,775.

NEW YORK, N. Y.—Wm. Flanagan, Arch., East 26th St., has plans in progress for a building to be used as the male dormitory at Blackwell's Island for the city of New York. Brick and stone, 3 stories, 30 × 85 ft.

WESTFIELD, N. Y.—WILLIAM ALLEN, of North Tonawanda, N. Y., has secured the contract for the construction of a memorial library at Westfield at a cost of $85,000.

NEW YORK, N. Y.—Geo. F. Fuller, Arch., 503 Fifth Ave., has plans for a residence to be erected at 92d St., near Riverside Drive, for Jacob Axelrod, 1931 Broadway. Brick and stone, 4 stories, 30 × 50 ft. Heating system, electric wiring and plumbing will be required. Cost, $75,000.

Louis Wechsler, 1135 Broadway, deposited the lowest bid, at $44,800, for alterations to the Willard Parker Hospital at the foot of East 16th St.

C. P. H. Gilbert, Arch., 1123 Broadway, is taking figures on a residence for Mrs. Allene Ten Nichols, to be erected at 55-57 East 64th St. Brick and stone, 4 stories, 25 × 75 ft. Heating system, boilers and elevator. Cost, $75,000.

W. H. Sears, Arch., 396 East 184th St., is taking figures on revised plans for a church to be erected at Creston Ave. and 189th St., for the Bath Elien Baptist Church. Stone, 1 story, 40 × 100 ft.

The Empire Square Realty Co., care of C. Miller, 1947 Broadway, will erect a theater arcade at Broadway and 65th St. Architect has not yet been selected nor details decided.

Pattison Bros., Consult. Engrs., 949 Broadway, are taking figures on the following for the 12-story hotel "Ariston," Broadway and 55th St., for which Maynicke & Franke, 298 Fifth Ave., are Archs., and JONES CONSTRUCTION CO., 1 Union Square, general contractors. Boilers, pumps, electric elevators, electric wiring, switchboards, refrigerating plant, heating system and plumbing apparatus.

Ogden Codman, Jr., Arch., 571 Fifth Ave., has plans in progress for a residence to be erected at 221 Fifth Ave., for E. Rollins Morse, 100 Broadway. Brick and stone, 6 stories, 60 × 110 ft. Cost, $300,000.

Geo. B. Post & Sons, Archs., 33 East 17th St., are taking figures on a club house to be erected at 14-15 Gramercy Park for the Arts' Club, 37 West 34th St. Pattison Bros., 949 Broadway, are Consult. Engrs. Brick and stone, 12 stories, 60 × 100 ft., with a wing 4 stories, 60 × 100 ft. Boilers, engines, generators, electric wiring, elevators, steel stack, refrigerating apparatus, coal-handling machinery, etc.

The general contract for $50,000 alterations to residence at 115 East 61st St., for J. A. Benedict, 49 Wall St., has been awarded to A. R. WHITNEY, JR., & CO., 135 Broadway. Grosvenor Atterbury, Arch., 20 West 43d St.

J. E. Nitchie, Arch., 150 Nassau St., is taking figures on alterations to residence at 42-44 West 39th St., for Chas. Thompson, 12 White St.

Chas. T. Mott, Arch., 35 West 31st St., has plans in progress for a $100,000 addition to the Hotel Savoy at Fifth Ave. and 59th St., for the Bretagne Co., 59th St. and Fifth Ave. Brick and stone, terra-cotta, fireproof, 7, 11 and 13 stories, 201 × 150 × 119 ft. and 25 × 98 ft. Heating and ventilating system, boilers, generators, engine, etc.

STAPLETON (S. I.), N. Y.—Carrere & Hastings, Archs., 28 East 41st St., have plans in progress for a Carnegie Library No. 21 to be erected at Stapleton. Brick and stone, 2 stories, 50 × 75 ft.

ALBANY, N. Y.—MARTIN L. BAUER, Owego, N. Y., was awarded general contract for erecting two hospital pavilions at Swinburne Island, N. Y., plans for which were prepared by Geo. C. Heins, of Albany. Cost, $100,000.

BUFFALO, N. Y.—Bids are asked by Jas. Knox Taylor, Supv. Arch., Washington, D. C., until Aug. 28 for construction (except heating apparatus, elevator, electric conduits and wiring) of the U. S. Marine Hospital at Buffalo. (Advertised, Engineering News.)

NEW YORK, N. Y.—The Treasury Department has let to JOHN C. ROBINSON, of Chicago, Ill., the contract for the interior finish of the new Custom House in New York.

GENESEO, N. Y.—Bids are asked by Hon. A. S. Draper, Comr. of Education, Albany, until Aug. 4 for new boilers and changing heating system at the State Normal School, Geneseo. G. L. Heins, State Arch., Albany.

MONTCLAIR, N. J.—Grosvenor Atterbury, Arch., 20 West 43d St., New York, is taking bids on a residence to be erected at Montclair, for E. A. Bradley, of 119 West 23d St., New York, at a cost of $100,000. Brick and stone, 2½ stories, 40 × 90 ft.

JERSEY CITY, N. J.—EDWARD CORNING CO., 658 Broadway, New York, were awarded the general contract for erecting a new stable for the U. S. Express Co., at Monitor St. and Jefferson Ave., Jersey City. Ernest Flagg is Arch., 35 Wall St., New York. Brick and concrete, 1 story, 100 × 150 × 225 ft., and contains 250 stalls. Electric wiring and boilers will be required.

RUTHERFORD, N. J.—The Board of Education will advertise for bids in about two weeks for the construction of a new school. Cost, $18,000.

HACKENSACK, N. J.—Bids will be received until Aug. 10 for the First St. and State St. school extensions. Cost, about $60,000 S. T. Demarest, Dist. Clk.

ATLANTIC CITY, N. J.—JOS. STEELMAN, Bridgeton, N. J., has secured the contract for a new school building here. Cost, $40,000.

ARCHBALD, PA.—MATTHIAS STIPP, Board of Trade Building, Scranton, has received the contract for a new school to be erected by this city. Cost, $40,000.

PHILADELPHIA, PA.—Ballinger & Perrot, Archs., 1200 Chestnut St., have invited sub-bids for a six-story addition to a warehouse at 19th and Buttonwood Sts. for Land-Schober & Co.

John T. Windrim, Arch., 1107 Walnut St., is preparing plans for an office building to be erected at 1107-9 Walnut St. for the Philadelphia Electric Co. Brick, stone and steel, fireproof, 10 stories, 40 × 130 ft.

ALLEGHENY, PA.—RODYHOUSE, AREY & CO., Fidelity Bldg., Philadelphia, have been awarded the contract for the Pennsylvania R. R. Co.'s new passenger station here. Cost, $150,000.

ALTOONA, PA.—Beezer Bros., Archs., Villasck Bldg., Pittsburg, have plans about completed for a hotel at this place. Cost, $80,000.

WILKESBARRE, PA.—The contract for construction of a parochial school for St. Mary's R. C. Church has been let to MATHIAS STIPP. Brick and stone, 3 stories, 65 × 100 ft. Cost, $50,000.

PITTSBURG, PA.—We are informed that Rankin & Hengst, Engrs., Pittsburg, are taking figures on a complete steam heating plant for Miss. Mary A. Glenn's School for Girls at South Negley Ave. and Hone St. The plant is not to be put in till fall.

E. M. Bigelow, Dir. Pub. Wks., announces that H. C. Frick has decided to erect an office building here to cost $10,000,000, also a 20-story hotel to be erected on Grant St.

WEST CHESTER, PA.—The contract for the erection of the high school building was awarded to WM. H. BURNS, who bid $73,725.

HAVRE DE GRACE, MD.—W. L. Plack, Arch., 1208 Chestnut St., Philadelphia, Pa., is preparing plans for remodeling the Manual Training School. Cost, $60,000.

BALTIMORE, MD.—Worthington & Ahrens, Archs., S. East Lexington St., Baltimore, have plans in progress for an office building to be located at Baltimore and Calvert Sts., for the Josiah Lee Estate. Brick, stone and steel, fireproof, 8 stories, 54 × 64 ft.

Taylor & Wright, Archs., Hanover Bldg., are preparing plans for an apartment house at Chase St. and Guilford Ave. Cost, $200,000.

WASHINGTON, D. C.—Sealed proposals will be received at the Bureau of Yards and Docks, U. S. N., until Aug. 12 for steel work and fireproofing for fire and telephone station, Navy Yard, Washington, D. C. Mordecai T. Endicott, Ch. of Bureau. Specifications may be seen at office of Engineering News, 220 Broadway, New York.

Bids were opened July 22 at the headquarters for the Marine Corps, Washington, D. C., for the construction of an addition to the marine barracks at Washington, D. C., including band room, mess hall, gymnasium and completion of guard room, prison and amusement room. The following bids were on Item 1, proposals as per specifications: Fisel & Wagner, New York, $101,200; Chas. McCaul Co., Philadelphia, Pa., $91,126; Lipscomb & Co., Washington, D. C., $90,195; W. E. Spier & Co., Washington, D. C., $93,500; Cramp & Co., Philadelphia, $92,000.

RIHARDSON & BURGESS, Washington, D. C., have received the contract for an office building to be erected at Eighth and G Sts., N. W., for Thos. F. Walsh. Cost, $200,000.

The committee appointed by Secretary Hitchcock, of the Interior Department, to secure bids for the erection of the new Freedmen's Hospital building has awarded the contract to the GEORGE A. FULLER CONSTRUCTION CO., of New York. The work will cost $27,300. The company will begin operations immediately.

The Chief of Staff of the Army has approved the recommendations of Quartermaster-General Humphreys for the improvement of quarters at the various army posts throughout the country. Congress appropriated $4,853,970 for this purpose. Details of the improvements are withheld until the specifications can be prepared for bidders.

ALEXANDRIA, VA.—A. B. Mullett & Co., Archs., 1411 F St., N. W. Washington, D. C., have plans ready for bids for a warehouse for Chas. King & Son. Brick, 3 stories, 40 × 100 ft.

SOUTHPORT, N. C.—Bids will be received by Jas. Knox Taylor, Supv. Arch., until Aug. 21 for construction of an infectious hospital at Cape Fear Quarantine Station, Southport. (Advertised, Engineering News.)

BIRMINGHAM, ALA.—The Brotherhood of Locomotive Engineers, according to the "Pink Sheet Daily Bulletin," of Chattanooga, Tenn., will erect a six-story lodge building at a cost of $65,000. The Secretary can inform.

SHREVEPORT, LA.—Bids will be received by Andrew Querbes, Pres. Bldg. Com., until Aug. 7 for the erection of a three-story brick, terra-cotta and steel framed building for the B. P. O. Elks. A. J. Armstrong, Arch., Shreveport.

SPRINGFIELD, TENN.—Dulin, Glenn & Co. will erect a double business house, at a cost of $40,000 to $50,000.

LOUISVILLE, KY.—Pilcher & Tachau, Archs., 32 East 28th St., New York, are taking figures until Aug. 9 on a public library to be erected by the city of Louisville. Chas P. Grainger is Pres. of Trustees and Robt. H. Brown is Secy. Brick and stone, fireproof, 3 stories, 50 × 320 ft. Boilers, heating system, electric wiring, plumbing, etc. Cost, $250,000.

HUNTINGTON, IND.—Sealed proposals will be received by Geo. S. Morris, County Audr., until Sept. 4, to install a complete heating, ventilating, plumbing and sewage system for new court-house. W. H. Schott, Engr., Chicago, Ill.

INDIANAPOLIS, IND.—The contract for the erection of buildings for the Indiana Industrial School for Girls was awarded to JOHN R. WARREN & CO., of Indianapolis, the contract price being $174,000.

SOUTH HAVEN, MICH.—Sealed proposals will be received by W. W. Holmes, Secy. Bd. Library Directors, until 12 m., Aug. 1, for the erection of a library building. Albert Randolph Ross, Arch., 542 Fifth Ave., New York.

DECATUR, ILL.—The School Board will soon ask for bids for immediate erection of two school buildings, to cost about $30,000 each.

PEKIN, ILL.—Sealed proposals will be received at the Treasury Department Aug. 15 for manufacturing and placing in position in the U. S. post-office building at Pekin, certain combination gas and electric light fixtures. J. B. Reynolds, Acting Secy.

PERU, ILL.—Bids are asked by Emil Shaid until Aug. 1 for placing an asphalt floor on present concrete floor in play halls in Central School Bldg., being approximately 4,400 sq. ft. (Advertised, Engineering News.)

HAYWARD, WIS.—Bids are asked by C. F. Larrabee, Acting Comr. of Indian Affairs, Washington, D. C., until Aug. 17 for furnishing and delivering the necessary materials and labor required to construct and complete a brick addition to warehouse at the Hayward School, Wis.

MINNEAPOLIS, MINN.—All bids on the contract for the new bacteriological building at the State University have been rejected by the State Board of Control. The lowest bid received did not allow enough margin to provide for the heating plant, plumbing, lighting, architect's fees, etc. The appropriation for the building is limited to $100,000. Revised plans will be prepared by the architect before advertising again.

SANTA FE, N. MEX.—Sealed proposals addressed to the Commissioner of Indian Affairs, Washington, D. C., will be received until Aug. 22 for constructing complete a dormitory and a lavatory, both of brick, with steam heat and electric light, and an extension of sewer system at the Santa Fe School. C. F. Larrabee, Acting Comr.

SEATTLE, WASH.—Building permits have been issued to the American Savings Bank & Trust Co. for the construction of a 12-story reinforced concrete building, 60 × 108 ft. Est. cost, $300,000. And to Thomas Burke for the construction of a 12-story reinforced concrete building, 60 × 108 ft., to cost $250,000. A Warren Gould is the architect for both buildings. Work will commence on the actual construction immediately, as the foundations are almost excavated to proper grade.

SAN FRANCISCO, CAL.—The following bids were opened July 20 at the office of Jas. Knox Taylor, Supv. Arch., for the construction of the U. S. custom-house at San Francisco: Pacific Construction Co., San Francisco, $1,298,573; Raymond Granite Co., San Francisco, $1,315,680; Thos. Butler, San Francisco, $1,194,000; F. H. Barnes, San Francisco, $1,349,915; Wilson Lyon Construction Co., San Francisco, $1,540,351; Wm. Weber, Beaumont, Tex., $1,235,000; General Supply & Construction Co., New York, $1,214,000; Healy-Tibbitts Construction Co., San Francisco, $1,389,000; Hill-O'Marrow Construction Co., St. Louis, Mo., $1,324,000.

WATER SUPPLY—IRRIGATION.

The names of parties awarded contracts are printed in capital letters.

AUGUSTA, ME.—Bids are asked by Trustees Augusta Water District, W. B. Getchell, Engr., until noon Aug. 3 for building Carleton Pond dam and reservoir. The main dam will consist essentially of an earthen embankment formed of selected material and containing a center wall. A suitable spillway or overfall with wing walls, etc., will be built of reinforced concrete. Length of dam about one half mile. (Advertised, Engineering News.)

PETERBORO, N. H.—Contract for laying water pipe, etc., for extension of waterworks of this place (bids received July 17) has been let to BRUNO & MILANO, 293 North St., Boston, Mass., for $4,600.

SWANTON, VT.—We are informed that at a recent meeting matter of new water supply for village was discussed. No action, however, was taken and another meeting will be held soon. It is proposed to obtain new supply from pond 9½ miles distant from village. P. J. Farrell, Village Trustee, is official in charge.

BOSTON, MASS.—Bids are asked by Major John E. Baxter, Q. M., U. S. A., until 11 a. m., Aug. 9, for labor and material for making extension and changing system of port water supply at Port Revere, Hull, Mass.; bids are also wanted for furnishing and installing new Worthington steam pump at same post.

FALMOUTH, MASS.—Bids are asked until 7.30 p. m., Aug. 7 for about 387 tons, 6-in. and 8-in. cast-iron water pipe, 17 fire hydrants and 28 water gates and boxes. Louis E. Hawes, Engr., 101 Tremont St., Boston, Mass.; John H. Crocker, Comr. (Advertised, Engineering News.)

BUFFALO, N. Y.—Bids were opened July 14 by F. G. Ward, Comr. Pub. Wks., for improving pumping station at foot of Massachusetts, the low bidders being as follows: Steel and iron work, Kellogg Iron Works, $32,840; roofing, Machwirth Bros. Co., $24,553; masonry and cut stone, B. I. Crooker, $118,940; plumbing, C. A. Criqui, $7,697; painting, Max L. Kuchoff, $2,600.

NEW YORK, N. Y.—Following bids were received July 19 by Commissioner of Water Supply, Gas and Electricity for furnishing, constructing and installing (1) three electrical driven pumps, with appliances, for high pressure fire service in pumping station to be erected at corner of Willoughby and St. Edwards Sts., Brooklyn; also for furnishing, constructing and installing (2) five electrical driven pumps for pumping station to be erected at corner Furman and Joralemon Sts., Brooklyn: Johnston, Livingston, Jr., Co., 113 East 22d St., New York, (1) $128,263, (2) $74,412; Platt Iron Works, 93 Liberty St., New York, (1) $136,726, (2) $80,565; Camden Iron Works, Camden, N. J., (1) $112,387, (2) $67,235, Henry Worthington, 114 Liberty St., New York, (1) $119,287, (2) $68,327; D'Olier Engineering Co., 74 Cortlandt St., New York, (1) $110,701, (2) $61,322; Allis-Chalmers Co., 71 Broadway, New York, (1) $141,930, (2) $84,483. Bids were received at same time and place for laying water mains in Metropolitan, Morton and other streets, the bids being as follows: Donlon Contracting Co., $40,020; Borough Construction Co., Brooklyn, $50,834; Isaac Harris, New York, $40,023; M. J. Dady, Brooklyn, $49,315. For furnishing, delivering and erecting three boilers at New Lots pumping station, bids were received at same time and place as follows: Ed. Burham, 71 Wall St., New York, $20,330; B. Franklin, Hart, Jr., Co., 114 Liberty St., New York, $14,25; A. D. Granger Co., 95 Liberty St., New York, $20,800. The bids received for erecting the New Lots pumping station were as follows: Jas. McArthur, 22 Ormond Place, Brooklyn, $22,268; Fuller & O'Conner, $22,000; Chas. Meads Co., 299 Broadway, New York, $24,720; Thos. G. Carlin, 44 Court St., Brooklyn, $24,330; Behan & Cavanagh, Brooklyn, $23,737. For remodeling and extending the Massapequa Pumping Station, bids were received July 19 as follows: Borough Construction Co., 44 Court St., Brooklyn, $48,690; M. J. Dady, 350 Fulton St., Brooklyn, $391,850. For furnishing, delivering and laying water mains in the Bowery, Allen and other streets, the bids received July 19 were as follows: Louis D. Gregory, $327,332; Jno. Cromwell, Jr., 69 East 127th St., New York, $236,763; Cunningham & Kearns, 432 East 91st St., New York, $316,023; Burns & Rodgers, 1900 Amsterdam Ave., New York, $311,216; Norton & Dalton Contracting Co., 27 West 140th St., New York, $362,630; P. Goodman, 1668 Park Ave., New York, $300,436. Itemized bids for the last piece of work will be given under Contract Prices.

NEW YORK, N. Y.—Bids are asked by John T. Oakley, Comr., Water Supply, Gas and Electricity, 13 Park Row, until 2 p. m., Aug. 9, for the following work: Erection of new Gravesend pumping station; plumbing, scaffolding for high pressure fire service stations at Furman and Joralemon Sts., and at Willoughby and St. Edwards Sts., Brooklyn; furnishing and delivering cast iron stop cock boxes and manhole heads; furnishing and delivering bar iron, machinery steel, tool steel and tobin bronze; overhauling and repairing Davidson engines at Millburn pumping station, near Baldwins, L. I.

ROCHESTER, N. Y.—Board Contract and Supply has awarded contract for constructing Cobbs Hill reservoir to E. H. DENNISTON & CO., Ellwanger and Barry Bldg., Rochester, for $230,885. Bids were opened July 19. The work includes the following: Earth excavation, 800,000 cu. yds.; rolled embankment, 80,000 cu. yds.; replacing top soil, 40,000 cu. yds.; concrete masonry, 50,000 cu. yds.; concrete waterproofing, square of 100 sq. ft., one coat, 2,700 squares; coal tar pitch waterproofing, squares of 100 sq. ft., 7,900 squares; Portland cement flagstone walk, 2,000 sq. ft.; steel reinforcement, 67,000 lbs.; steel and iron work, 35,000 lbs.; setting pipes, special castings and valves, 850 net tons.

UNION, N. J.—Bids are asked by Township Committee, Wm. L. Grant, Clk., until 8.30 p. m., Aug. 14, for laying cast-iron water pipe and appurtenances. Walter C. Hyatt, Engr. Specifications for the above work may be seen at office of Engineering News, 220 Broadway, New York. (Advertised, Engineering News.)

BRIDGEPORT, W. VA.—Council has awarded contract for extension of water mains to GEO. B. CLIFFORD, Mutins Ferry, O., for $2,751.

BISHOPVILLE, S. C.—Bids were received July 17 by the Water-Works Commission, Chas. C. Wilson, Engr., Columbia, S. C., for erection of water-works for this place, the contracts being let as follows: THORNWELL McMASTER, Columbia, S. C., station building, pipe laying, etc., $19,649; COLE MFG. CO., two 40 HP. boilers; INTERNATIONAL STEAM PUMP CO., Atlanta, Ga., pumps; FAIRBANK CO., Baltimore, Md., gate valves, extension valve boxes, hydrants; GLAMORGAN PIPE & FOUNDRY CO., Lynchburg, Va., pipe, etc.

FORT MOULTRIE, S. C.—Bids are asked until Aug. 26 for constructing and installing boiler and pump house. F. W. Cole, Q. M. (Engineering News.)

FORT McPHERSON, GA.—Bids are asked until 10 a. m., Aug. 15 for materials for construction of pump house, and installing water and sir-lift system and making deep wells and water system. Buck, Q. M., U. S. A.

MARKSVILLE, LA.—Bids are asked until Aug. 24 for construction of water-works and electric plant. Smith, Mayor. Ira W. Sprague, Engr., Alexandria, Va. (Engineering News.)

BOLIVAR, TENN.—Bids are asked until 8 p. m., Aug. 10, for materials required for proposed water-works. Correspondence is also desired from contractors. City has sold $20,000 bonds for the work. Specifications may be seen at office of Engineering News, 220 Broadway, New York. Granberry Jackson, Nashville, Tenn.; W. J. Wheeler, Mayor. (Advertised, Engineering News.)

LEXINGTON, KY.—BUFORD, GRAVES & CO., 9 Lexington Ave., were awarded the contract for the successful contractors for the dam to be built by the water-works company of this city. The company was also awarded the contract for laying the concrete work.

NEWARK, O.—Bids are asked by Board of Public Service, John P. Lamb, Clk., until noon Aug. 12 for construction of water-works for this city. (Advertised, Engineering News.)

DELAWARE, O.—The Delaware Water Co. contemplates the erection of a new stand-pipe of 250,000 gallon capacity, and invites proposals for same. Proposals must be accompanied by plans, specifications and cost of stand-pipe erected in the city of Delaware.

REPUBLIC, MICH.—Bids are asked by Township Board, Peter W. Pascoe, Supv., until 2 p. m., Aug. 8, for a complete water-works system, consisting of one brick building, two 750,000 gallon pumps, two return tubular boilers and stack, 8,200 ft. of 8-in. pipe, 3,762 ft. of 6-in. pipe, 2,200 ft. of 4-in. pipe, 28 double discharge fire hydrants, ten 8-in. valves, ten 6-in. valves, six 4-in. valves, valve boxes, special castings, etc. Plans and specifications are on file at office of Engineering News, 1636 Monadnock Bldg., Chicago. (Advertised, Engineering News.)

LONE TREE, IA.—Bids are asked by B. L. Harris, Cy. Clk., until 8 p. m., Aug. 14, for constructing a system of water-works for this town.

GRAND RAPIDS, MINN.—Bids are asked until Aug. 14 for laying 1,504 ft. of 6-in. water mains. G. C. McAllister, Cy. Recdr.

BIRD ISLAND, MINN.—Bids are asked until 7 p. m. Aug. 5 for laying 1,100 ft. of 6-in. water mains. J. H. Feeter, Village Recdr.

BARNESVILLE, MINN.—Bids asked, giving quantities and qualities of material desired for water-works for this place may be seen at office of Engineering News, 220 Broadway, New York. Bids are asked until 8 p. m., Aug. 5, as stated in our issue of July 20.

OTTAWA, KAN.—We are advised that city has made formal demand on local water company for purchase of its plant in accordance with the terms of its franchise. When the city secures the plant it will rebuild it. John Halloren is Mayor.

ARLINGTON, NEB.—We are informed that contract for water-works for this place will be let Aug. 22. A stand-pipe, gasoline engine, deep well, power pump, pipe line, etc., will be required. M. A. Earl, Engr., 1416 First National Bank Bldg., Chicago, Ill.; B. F. Hadley, Village Clk.

FORT PIERRE, S. DAK.—Bids were received July 20 by city council for installing water-works and gas holder. No definite contracts have been awarded as council is awaiting completion of artesian well. Contract for water-works will probably be let to W. D. Lovell & Co., Minneapolis, Minn., and contract for gas holder to Drake-Williams-Mount Co., Omaha, Neb. M. A. Earl, Chicago, Ill., is Engr.

HAVRE, MONT.—Following bids were received July 18 by Mayor and Council for constructing water-works and reservoir: Fuller & Bosscut, Havre, Mont., $42,413; Lease & Richards, Havre, Mont., $41,488. J. H. Donlin, Great Falls, Mont., $45,982. C. W. Swearingen, Cy. Engr. Itemized bids will be given under Contract Prices.

SEATTLE, WASH.—Bids are asked by Board Public Works, C. B. Bagley, Secy., until Aug. 5, for laying water main in Nob Hill Ave., at an est. cost of $5,000. Bids are also asked for laying water main in Lane St., at an est. cost of $26,200.

PRAIRIE CITY, ORE.—Bids are asked by C. P. Haight until 8 p. m., July 28 for construction of water system for this town. About 8,000 ft. of pipe will be required.

PORTLAND, ORE.—Contract for 1,000 tons of cast iron pipe for this city has been awarded to the OREGON IRON & STEEL CO., Portland, Ore., at $34.50 per ton.

WHITTIER, CAL.—Bids were received July 10 by City Council, E. C. Butterfield, Cy. Clk., for construction of water-works for this city, contracts being awarded on July 17 as follows: Complete mechanical plant, including boilers, pumping engines and air compressors, PACIFIC COAST MFG. CO., San Francisco and Los Angeles, Cal., $42,910; 45,000 ft. 4-in. and 2,700 ft. 6-in. Converse lock joint pipe, CRANE CO., Chicago, Ill., and Los Angeles, Cal. Contract for cast iron main and for valves and hydrants was not let July 17.

SEWERAGE.

The names of parties awarded contracts are printed in capital letters.

MALDEN, MASS.—It is stated that the Common Council has voted $10,000 for construction of sewers.

NEW BRITAIN, CONN.—FALVEY & KELLEY, of Boston, Mass., have been awarded contract for building Section C, consisting of approximately five miles of pipe sewers, in New Britain, at $30,000. Bids for the work were opened July 17, as advertised in the Engineering News. W. H. Caldwell, Engr., New Britain.

NEW BRITAIN, CONN.—Bids are asked by Board Sewer Commissioners until 1 p. m., Aug. 15, for constructing about 4¼ miles of 6-in. to 20-in. pipe sewers. William H. Caldwell, Engr. (Advertised, Engineering News.)

ALBANY, N. Y.—Bids are asked by Board Contract and Supply until Aug. 7 for laying a 12-in. vitrified stoneware pipe sewer in Hodge St., and an 8-in. pipe sewer near the intersection of Manning Boulevard and Northern Boulevard. Isidore Wachman, Clk.

WATERVLIET, N. Y.—City Engineer has recommended the construction of a 12-in. sewer in Eighth St. and a sewer in Fourth St.

PHILLIPSBURG, N. J.—Bids are asked by Jordan Shafer, Chn. Sewer Com., until Aug. 5 for construction of sewer in accordance with plans and specifications on file in office of Town Engineer, 98 Main St. ((Advertised, Engineering News.)

SUMMIT, N. J.—Bids were received July 18 by Common Council for constructing storm water sewers, the contract being awarded to HARRISON CONSTRUCTION CO. for $15,072.

PHILLIPSBURG, N. J.—Sealed proposals will be received until 7.30 p. m., Aug. 1, by Jordan Shafer, Chn. Sewer Com., for construction of sewers, consisting approximately 4,315 ft. of vitrified sewer pipe, 18 catch-basins and 18 manholes. Robt. Howell, Town Engr., 98 Main St.

SOUTH BETHLEHEM, PA.—A special election will be held here on Aug. 1 to vote on the proposed loan of $25,000 to build storm and house sewers.

WASHINGTON, D. C.—We are informed that the following bids were received July 17 by the District Commissioners for constructing a concrete sewer on 14th St., extended: G. McDonald, $5,116; James Coyle, $6,213; E. G. Gummel, $6,387; all of Washington, D. C. D. E. McComb, Supt. Sewers.

WILMINGTON, N. C.—The Brooklyn Sewerage Co., reported incorporated in last issue with $25,000 capital stock, has applied for a franchise to construct a sewerage system. P. H. Matthews is Engr.

MILLEDGEVILLE, GA.—B. I. Farley, J. A. Horne, J. T. Allen, J. E. Potter and J. R. Hines have incorporated the Milledgeville Sewerage Co., with $10,000 capital stock, to construct and operate a sewerage system.

GAINESVILLE, FLA.—Wm. W. Lyon, Engr., of Palatka, Fla., has been engaged by this city as consulting engineer to design plans and supervise the construction of a sewerage system. Est. cost, $50,000.

GULFPORT, MISS.—We are informed that bids will be received by city of Gulfport until Aug. 2 for constructing sewers. Wm. F. Wilcox, Engr.

KNOXVILLE, TENN.—Local press reports state that the City Council has authorized the construction of about $15,000 worth of sewers in North Knoxville. S. J. Moreland is Cy. Engr.

CHATTANOOGA, TENN.—The Board Public Works, according to local press reports, has ordered the laying of sewers from Louisa St. to Calloway St., on William St. Robt. Hooke is Cy. Engr.

WARREN, O.—Bids are asked by E. T. Beck, Chn. Sewer Com., until 12 o'clock noon, Aug. 1, for construction of sewers in Borough of Warren. D. F. A. Wheelock, Cy. Engr.

ST. MARYS, O.—The city contemplates the installation of a sanitary sewer system, to cost about $75,000. F. C. Keuthan is Cy. Engr.

ASHTABULA, O.—Bids are asked by Board Public Service until 12 m., July 29, for construction of a sewer in West St. The work includes approximately: 1,925 lin. ft. of 8-in. sewer; 4 manholes and one manhole and flush tank combined. A. J. Richardson, Clk.; L. A. Amsden, Cy. Engr.

MASSILLON, O.—Harold Howald, Cy. Engr., informs that the contract for a number of sewers will be let about Aug. 3.

LONDON, O.—The Council has awarded to JOS. MURPHY, of Marion, the contract for construction of sanitary sewerage and disposal works at $47,153.

INDIANAPOLIS, IND.—Steps have been taken towards the constructing of sewerage system in Brightwood. B. J. T. Jeup is Cy. Engr.

GREENSBURG, IND.—PULSE & PORTER have been awarded the contract to construct a sanitary sewer system here for $93,226.

TELL CITY, IND.—Frank Hinkle, Cy. Clk., informs us that bids will be opened Aug. 8 for constructing 300 ft. of 24-in. pipe sewer. Owen Tevlin, Jr., Engr., Cannelton.

LAFAYETTE, IND.—We are informed that the Town Board has let a $20,000 contract for a sewer system to W. H. HARRIS, of Terre Haute.

WINCHESTER, IND.—The city of Winchester, we are informed, will receive bids Aug. 16 for construction of 6,400 ft. of sewer. C. C. Yunker, Cy. Engr.

MOORESVILLE, IND.—It is reported that the town of Mooresville will establish a sewerage system.

CHICAGO, ILL.—Bids are asked by Board Local Improvement until Aug. 23 for construction of a system of concrete sewers, having a total length of about 15 miles. Andrew M. Lynch, Pres.; C. D. Hill, Ch. Engr.

MANSTON, WIS.—We are informed that the contract for constructing pipe sewers in State and Spring Sts. was awarded July 21 to SWEENEY BROS., of Reedsburg, Wis., for $5,185. W. G. Kirchoffer, Consult. Engr., Madison.

MONROE, WIS.—H. J. Steiner, Cy. Clk., informs us that the city will vote Aug. 15 on the question of bonding city for $55,000, with which to build a trunk sewer.

BELOIT, WIS.—Robt. Caldwell, Cy. Engr., writes us that sewer bids were rejected by Board Public Works. Bids will be readvertised for, the date to be given later.

MILWAUKEE, WIS.—Contracts for building of 1,800 ft. of brick sewer and 127 ft. of iron sewer in Second and Center Sts. were let to G. E. ZIMMERMANN for $15,391; for 2,153 ft. on Holton and Buffum Sts., to F. H. NAKIELSKI, for $3,401; for 1,313 ft. on 22d St., between Chambers and Locust Sts., to H. HOHENSEE, at $1.05 a ft.; for 854 ft. on Chambers St., at $2.03 a ft., to the same contractor; and 890 ft. 12-in. sewer, on Rusk Ave. and Ellen St., at $1.38 a ft., to E. BOWLER.

PERRY, IA.—Bids will be received until Aug. 2 for about 8½ miles of sewer, one mile of outfall sewer and sewage disposal plant. Adrian Cross, Cy. Clk.; M. A. Earl, Engr., Chicago, Ill. (Advertised, Engineering News.)

CLINTON, IA.—We are informed that bids will be received until Aug. 24 for constructing about four miles of concrete and brick sewers. Chas. P. Chase, Cy. Engr.

FORT SCOTT, KAN.—The City Council has rejected all bids received for constructing the Fourth District sewer as being too high. New bids will be advertised for.

ANACONDA, MONT.—City Council has passed an ordinance providing for the constructing of a $10,000 sewer in the eastern part of the city. The City Clerk has been instructed to advertise for bids. N. Knudson is Cy. Engr.

ANACONDA, MONT.—We are informed that bids will be received until Aug. 7 for constructing 7,000 ft. of 15-in. pipe sewers; est. cost, $10,000. N. Knudson, Cy. Engr.

FARMINGTON, MO.—Sealed bids will be received by Board of Managers of State Hospital No. 4 until 1 p. m., July 31, for constructing of sewage system. W. W. Waters, Secy.; Young, Fardwell & Hooke, Engrs., Frisco Bldg., St. Louis, Mo.

SHAWNEE, OKLA.—The City Council has instructed the City Clerk to draw up an ordinance calling for a special election for the purpose of voting on bonds to install a sewerage system. It is understood that the bonds will call for $50,000, although the amount has not yet been determined.

BARTLESVILLE, IND. T.—We are informed that this city has called an election, to be held Aug. 8, for the purpose of voting $17,000 additional sewerage bonds, for the building of approximately 5½ miles of sewers. W. H. Whaley, Cy. Engr.

TULSA, IND. T.—The city has voted $30,000 for sewer mains, work to commence in the near future. It is estimated that an additional amount of $45,000 will be required to complete the system.

SANTA FE, N. MEX.—See under Buildings.

TACOMA, WASH.—Frank L. Davis, Cy. Engr., informs us that several mills of 8 and 10-in. sanitary sewers will be laid by the city this year.

WINNIPEG, MAN.—This city will build sewers, at an estimated cost of $32,125. H. N. Ruttan is Cy. Engr.

GARBAGE DISPOSAL.

The names of parties awarded contracts are printed in capital letters.

NEW LONDON, CONN.—Committee, Alderman Alton T. Miller, Chn., is reported to be considering plan for disposing of garbage by means of a crematory. Dr. Frederick J. Beckwith is Health Officer.

NEW YORK, N. Y.—Bids were opened July 21 by the Commissioner of Street Cleaning for the snow removal contracts in Manhattan. William Bradley, the present contractor, was low bidder, at an average of 15 6-11 cts. per cu. yd., and probably will be awarded the contract.

WATERVLIET, N. Y.—Following bids were received by Council for removal of street dirt and garbage: James H. Mahar, $2,250; Daniel McCarthy, $2,500; John Christie, $2,480.

WEST CHESTER, PA.—We are informed that matter of garbage disposal is being discussed; no definite conclusion, however, has been reached. Chas. W. Pennypacker is Ch. Burgess.

WILKESBARRE, PA.—Council Sanitary Committee has been considering proposition for installation of a garbage crematory.

STREETS AND ROADS.

The names of parties awarded contracts are printed in capital letters.

BOSTON, MASS.—The following bids were received July 15 by Bureau of Yards and Docks, U. S. N., Washington, D. C., for brick paving and laying concrete sidewalks at Navy Yard, Boston: T. H. Gill & Co., 88 Broad St., Boston, Item (1), $15,245, Item (2), $23,265; Coleman Bros., 15 Court St., Boston, (1) $17,400, (2) $24,795; C. M. Leach, Boston, (1) $15,408, (2) $23,783; Soule, Dilston, (1) $15,408, (2) $23,783; Soule, Dillingham & Co., 19 Exchange Place, Boston, (1) $17,678, (2) $26,701; Jas. Doherty, 133 Calumet St., Boston, (1) $13,656, (2) $21,349; Jas. C. McGuire & Co., 26 Cortlandt St., New York, (2) $24,839.

BOSTON, MASS.—Bids for paving Harrison Ave., between Bedford and Essex Sts., were opened July 14 by Jos. Donovan, Supt. of Sts. J. F. Dooley was the lowest bidder at $2,618.

LYNN, MASS.—Geo. I. Leland, Cy. Engr., informs us that bids for the Sea St. extension will be called for soon by the Board Public Works. Est. cost, $41,000.

ABINGTON, MASS.—E. J. ROURKE, of Abington, was awarded contract, at $2,343, for constructing state highway at Abington.

NEWBURY, MASS.—The contract for constructing highway here was awarded July 13 to JAS. E. WATKINS, of Amesbury, Mass., at $4,378.

PROVIDENCE, R. I.—The following contracts were awarded by State Board of Public Roads for building state highways, 14 ft. wide: Bristol, 5,500 ft., LEWIS J. PIERCE CO., Providence, $3,964; Coventry, 4,925 ft., Pierce Co., $4,086; Glocester, 8,000 ft., Pierce Co., $5,599; Jamestown, 2,640, ALTON HEAD, of Jamestown, $2,498; Johnston, 10,560 ft., JOHN WALSH, of Johnston, $5,582; Little Compton, 2,640 ft., HERBERT A. CUSHING, of Sekonk, Mass., $2,640; Westerly, 5,280 ft., JOHN BRISTOW, of Narragansett Pier, R. I., $4,786. Peter J. Lannon, Clk.

AUBURN, N. Y.—Bids are asked by the Mayor until 8 p. m., Aug. 7 for paving a portion of Clark St. F. H. Hosmer, Cy. Clk. (Advertised, Engineering News.)

BROOKLYN, N. Y.—Bids are asked by Martin W. Littleton, Boro. Pres., until Aug. 2 regulating and paving with asphalt several streets.

BUFFALO, N. Y.—Sealed proposals will be received by Department Public Works until Aug. 1 for the purchase of paving stone, cross-walk stone, curbing, sand, gravel and crushed stone for street repairs for the fiscal year 1905 and 1906. Francis G. Ward, Comr.

ALBANY, N. Y.—Bids are asked by Board of Contract and Supply until Aug. 7 for curbing and laying sidewalks with flags and vitrified bricks on Broadway. Isidore Wachsman, Clk.

PASSAIC, N. J.—Bids are asked by Township Committee until 8 p. m., Aug. 1 for grading, curbing and laying flag stone sidewalks on both sides of Main Ave., Clifton. Colin R. Wise, Township Engr.; A. J. Van Brunt, Twp. Clk.

VALLEY FORGE, PA.—Bids are asked by Valley Forge Park Commissioner until 12 m., Aug. 1, for building stone roads at Valley Forge Park. J. O. Clark, Engr., 1420 Chestnut St., Philadelphia.

HARRISBURG, PA.—Sealed proposals will be received by State Highway Department until Aug. 12 for construction of 16,430 ft. of road, extending from Jeffersonville to Norritonville, in Montgomery County. Jos. W. Hunter, Comr.

ALLENTOWN, PA.—Mayor Yost has approved ordinances for paving with asphalt or bituminous macadam Liberty, Jefferson, Madison and 13th Sts. Bids will be asked for within a month.

PITTSBURG, PA.—Bids which were to have been opened July 6 by County Commissioners for about 18 miles of road construction, will not be opened for some time, in accordance with a decision of R. J. Cunningham, County Compt. The presence of another commissioner is needed before the contracts can be let. Chas. Davis is County Engr.

WASHINGTON, D. C.—PATRICK FLANAGAN, of Baltimore, Md., has contract at about $125,000 for paving the freight yards of the Baltimore & Ohio R. R. Co. at Ecklington.

WHEELING, W. VA.—We are informed that the County Commissioners, July 15, awarded the contract for brick paving at Highland Park to E. B. GARRESTON, of Wellsburg, W. Va., at $1,602, exclusive of curbing.

SISTERSVILLE, W. VA.—W. B. Woodruff, Cy. Clk., informs us that the paving contract, bids for which were opened July 10, was not awarded on account of petition not being signed by residents of one of the streets to be paved. Bids will probably be advertised for again.

CENTRAL CITY, W. VA.—We are advised that HARRISON & DEAN, of Huntington, W. Va., have received the contract for grading, curbing and paving of Washington Ave. The work consists of 14,500 lin. ft. of stone curbing and about 34,000 sq. yds. of brick paving. Cost, $58,000.

KINSTON, N. C.—Specifications may be seen at office Engineering News, 220 Broadway, New York, for proposed brick paving and granite curbing here. Bids will be opened July 31 as advertised in Engineering News, July 20 and 27.

NEW ORLEANS, LA.—Bids are asked by Chas. R. Kennedy, Compt., until Aug. 28 for the erection of an asphalt plant for the repairs of asphalt streets. (Advertised, Engineering News.)

SHREVEPORT, LA.—Sealed proposals will be received by C. G. Rives, Cy. Compt., until Aug. 8 for the paving of a number of streets, about 24,553 sq. yds., with asphalt, brick or pavement similar to bitulithic, or bitulithic. John M. Dortch, Cy. Engr.

MIDDLETOWN, O.—An official report announces that on July 7 the Board Public Service awarded to F. M. KEMP & SONS, Park St., Middletown, the contract for laying cement walks on sundry streets, at $4,293. N. G. Oglesby, Cy. Audr.

CINCINNATI, O.—Bids for the paving of Fifth St., from Vine to John, with asphalt were opened July 5 by Board Public Service and referred to City Engineer Breen. The Kirchner Construction Co., Eighth and Plum Sts., was the lowest bidder on asphalt and some other materials. Estimated cost is $26,683.

NAPOLEON, O.—We are informed that the County Commissioners will receive bids until Aug. 11 for constructing roads. F. J. Beck, County Audr.

EVANSVILLE, IND.—Plans are being prepared and bids will soon be asked for the paving of St. Joseph Ave. with brick; est. cost, $16,500.

ENGLISH, IND.—Bids are asked by County Commissioners until Aug. 7 for construction of rock roads in Whisky Run Township. S. E. McFall, County Audr.

RICHMOND, IND.—Board Public Works is asking for bids until Aug. 4 for grading, graveling and bouldering South E St. and for the construction of cement walks on 14th St.

COLUMBUS, IND.—Contract for paving Washington St. with asphalt (brick for car tracks) has been awarded to BARBER ASPHALT PAVING CO., New York, for $28,113. Wm. H. Rights, Cy. Engr. Bids were received July 20.

CROWNPOINT, IND.—The Commissioners of Lake County will receive bids until Aug. 15 for the construction of three miles of gravel road. Walter L. Allman, County Audr.

COLUMBUS, IND.—Bids are asked by County Commissioners until Aug. 7 for construction of over a mile of gravel road in Wayne Township. W. A. Morris, County Audr.

CORYDON, IND.—County Commissioners will receive bids until Aug. 8 for construction of nine miles of gravel road.

RICHMOND, IND.—Contracts have been awarded by Board Public Works for a large amount of cement sidewalks to JOHN H. A. SCHNEIDER, at 71 cts. a lin. ft.; to CRONIN & NOLTE, at 77 cts a lin. ft., and to DANIEL BURKHART, at 69 cts. a lin. ft.

CORYDON, IND.—The Commissioners of Harrison County will receive bids until Aug. 8 for the construction of nine miles of gravel roads.

KNOX, IND.—Bids will be received by County Commissioners until Aug. 8 for construction of six gravel roads, 31,276, 9,963, 22,650, 3,247, 14,943 and 35,874 ft. in length respectively. L. M. Ransbottom, County Audr.

GREENSBURG, IND.—The Commissioners of Decatur County are asking for bids until Aug. 7 for the construction of a macadamized road, about 11,500 ft., in Clay Township. Frank E. Ryan, County Audr.

LINTON, IND.—The contract for building four miles of street pavement has been awarded to EDWARD PENNINGTON, of Vincennes, Ind.

HAMMOND, IND.—W. W. HATCH & SONS have been awarded a $35,000 paving contract at Hammond.

TERRE HAUTE, IND.—Bids on the contract for resurfacing North Seventh St. and South Fifth St. have been received by Board Public Works. The lowest bidder was the Union Asphalt Construction Co., of Indianapolis, with a total of $23,056 for the work.

LANSING, MICH.—H. A. Collar, Cy. Engr., writes that bids for paving with brick on Capitol Ave., Grand, Walnut and Washtenaw Sts., in all about 12,505 sq. yds., will be received by City Clerk until 8 p. m., July 31.

PEORIA, ILL.—The Board Local Improvements has let contract for the resurfacing of Moss Ave. with asphalt to the BARBER ASPHALT PAVING CO., of Philadelphia, for $21,911.

SEATTLE, WASH.—Bids will be received until Aug. 5 by C. B. Bagley, Secy. Bd. Pub. Works., for constructing wooden sidewalks on Grand Boulevard and adjacent streets. Est. cost, $31,000. R. H. Thomson, Cy. Engr.

SEATTLE, WASH.—Bids are asked by C. B. Bagley, Secy. Bd. Pub. Works, until July 29 for grading of Third Ave., and other streets at an estimated cost of $54,000.

BELL & PRICE, of Seattle, were awarded contract July 15 for paving Connecticut St. with vitrified brick, at $17,034.

MAMORA, ONT.—Rendall Snell, Clk., will receive tenders until Aug. 1 for the construction of 35,000 sq. ft. of granolithic walks.

MANUFACTURING PLANTS.

The names of parties awarded contracts are printed in capital letters.

NEW YORK, N. Y.—Alfred H. Taylor, Arch., 63 West 33d St., has plans for a factory for Robt. Christie & Son, 122 West 29th St. Brick and stone, 6 stories, 40 × 100 ft. Cost, $30,000.

UTICA, N. Y.—The West End Brewing Co. has invited sub-bids for a three-story addition to their brewery.

ROCHESTER, N. Y.—The W. P. Davis Machine Co. contemplates erecting a factory building, 80 × 250 ft. W. P. Davis is Pres.

TRENTON, N. J.—W. W. Slack, Arch., 18 East State St., Trenton, has started plans for an addition to factory of the Monument Pottery Co.

JERSEY CITY, N. J.—Wm. A. Tilton, Arch., 76 Montgomery St., Jersey City, informs us that the power plant for factory now in process of construction for E. M. Johnson, is in the hands of engineer.

PHILADELPHIA, PA.—Walter Smedley, Arch., Stephen Girard Bldg., Philadelphia, has received bids for a laundry building at

40th and Pariah Sts. for the West Hospital for Women.

Jos. Richards, Engr., Pennsylvania R. R. Co., will open bids July 27 for a power house and machine shop at the Grays Ferry shops. Brick, steel and concrete, fireproof, 2 stories.

Andrew J. Sauer, Arch., 1208 Chestnut St., Philadelphia, has invited bids for a factory at 537-41 North Third St., for the United States Paper Box Co. Previously noted.

F. A. HAVENS & CO., Perry Bldg., Philadelphia, has received the contract for an addition to factory of the Main Belting Co. at 1237-41 Carpenter St. Cost, $25,000.

TOPTON, PA.—T. DeLong has invited bids for a new furniture factory at this place. Brick, 2 stories, 50 × 100 ft.

DUNMORE, PA.—It is reported that the Erie R. R. Co. will build an addition to their shops at this place. J. T. Taffany is Div. Engr., Dunmore.

PLYMOUTH, PA.—Beckley Bros., Freeland, Pa., contemplate the erection of a silk mill at this place. New equipment will be required.

PITTSBURG, PA.—Geo. Esterhammer, Arch., Penn Bldg., Pittsburg, has plans for a molasses refinery building for P. Duff & Son. Cost, $75,000.

PHILADELPHIA, PA.—Plans are being prepared for the erection of a six-story factory building to be erected at Wallace St., at a cost of $80,000 for Nathan Snellenburg.

BALTIMORE, MD.—John H. Filler, Abell Bldg., Baltimore, is interested in a toothpick factory to be established in North Carolina. Mr. Filler wants addresses of manufacturers of toothpick or match machinery.

BALTIMORE, MD.—The Carriage & Toy Co., 301 North Calvert St., has commissioned J. E. Laferty, Arch., Builders' Exchange Bldg., prepare plans and specifications for factory building to be located on Lombard St., near Fremont Ave. Brick, 5 stories, 100 × 175 ft.

NORTHAMPTON, VA.—Emil Hartmann, Arch., 514 Walnut St., Philadelphia, Pa., is preparing plans for a four-story addition to brewery for the Northampton Brewing Co.

ELKINS, W. VA.—Ballinger & Perrot, Arch., 1200 Chestnut St., Philadelphia, are preparing plans for a manufacturing plant for the Humphrey Mfg. Co., to include a power house, machine and pattern shops and foundry.

WEST NEWELL, W. VA.—Charles Bickel, Arch., 524 Penn Ave., Pittsburg, Pa., has plans for a pottery, at West Newell, for the North American Mfg. Co., East Liverpool, O. There will be nine buildings of mill construction, as follows: One 5-story, 45 × 600 ft.; one 1-story kiln shed, 536 ft. long; one 1-story glost warehouse, 536 ft. long; one 1-story bisque kiln shed, 536 ft. long; one 3-story building for clay works, 600 ft. long; one 2-story stock house, 166 × 34 ft.; one 1-story kiln shed for decorated ware, 208 × 27 ft.; one 2-story office building, 64 × 64 ft., and one power house. Bids will be taken about Aug. 1. Cost, $700,000.

ROCK HILL, S. C.—R. D. Robertson, of Mayfield, Ky., informs us that he will erect an ice plant at Rock Hill about next February and will be in the market for machinery about Jan. 1.

MILLEDGEVILLE, GA.—Reports state that Samuel Evans, Sons & Co., Milledgeville, will be in the market for an overhead system for handling cotton in a cotton warehouse.

AUGUSTA, GA.—Lombard Iron Works & Supply Co., of Augusta, will place a contract before Sept. 1 for a pneumatic or electric crane, and will want on the carriage one five and one 15 or 20-ton hoist, with operator's carriage, etc.

HURDS, FLA.—Carter & Williams are arranging to increase the capacity of their plant to about 100 HP. and will be in the market for engines and boilers.

SHEFFIELD, ALA.—The contract for the erection of main building of the Sheffield Cast Iron Pipe & Foundry Co.'s $500,000 plant has been awarded to the AMERICAN BRIDGE CO., of Pittsburg, which also has the contract for the general foundry building now in course of construction. The main building is to be 600 ft. long.

MEMPHIS, TENN.—Odlum-Taylor Boiler Co., R. A. Odlum, Pres., is in the market for full boiler plant equipment, hydraulic, pneumatic and electric, as follows: Electric traveling cranes; hydraulic riveting plant; pneumatic riveting plant; motor-driven tools; alternating generator and motors; valves and fittings; steam pump; Corliss and automatic engines; small tools; 100 to 150 tons of structural material.

WELLSTON, O.—The Wellston Brewing Co. is about ready for bids for an addition to their brewery and bottling house.

FARMINGTON, MO.—Sealed bids will be received by Board of Managers of State Hospital No. 4, until 1 p. m., July 31 for the erection of additions to laundry and power house and additional equipment to power house, consisting of boiler, generator and purifying water system. Young, Fardwell & Hooke, Engrs., Frisco Bldg., St. Louis, Mo.; H. H. Hohenschild, Arch., Rollo, Mo.

FORT SMITH, ARK.—A company is being organized by Thos J. Turner, 814 North 21st St., Fort Smith, and associates, for the manufacture of hickory and ash handles.

MISCELLANEOUS CONTRACTS.

The names of parties awarded contracts are printed in capital letters.

DREDGING.—Detroit, Mich.—Bids are asked until Aug. 14 for dredging at Saginaw and Sebewaing Rivers, Mich. Maj. Lansing H. Beach, U. S. Engrs.

DREDGING.—Boston, Mass. — Bids are asked by Board Harbor and Land Commissioners, until 2 p. m., Aug. 1 for about 20,250 cu. yds. of dredging.

READERS' WANTS If any one is in the market for any engineering or contracting supplies, the first thing to do is to refer to our advertising pages, but if the buyer cannot find what he wants we particularly ask that he notify us at once and we will inform the proper parties without cost to the inquirer. A copy of **ENGINEERING NEWS BUYERS' GUIDE** will be mailed to any one upon application. This paper will always appreciate any news notes regarding public, or important private work, and will be pleased to receive detailed items. Requests to hold names will be complied with in every case. **Do not fail to write our advertisers or us.**

GASOLINE ENGINE.—Centerville, Ky.—Geo. Burberry is reported as in the market for a gasoline engine.

PLANING MILL.—Rich Square, N. C.—The Farmers Ginning & Milling Co. is reported as in the market for complete plant.

BRIQUETTING MACHINE.—Dallas, Tex.—L. Phillipson is reported in the market for a briquetting machine of 200 tons capacity.

CRANES.—Augusta, Ga.—The Lombard Iron Works & Supply Co. will probably soon be in the market for a pneumatic or electric crane for its foundry department.

CHANNEL IRON, ETC.—St. Paul, Minn.—A. N. Staples, 709 York St., writes us that he wishes to obtain channel iron, measuring 1¼ × 1¼ × ⅛ ins., or 1¼ × 1¼ × 3/16 ins.

WIRE GLASS WINDOWS.—Scranton, Pa.—Frank G. Wolfe, Ch. Engr. Scranton Coal Co., writes us that he wishes to be placed in communication with makers of the above.

MINING SUPPLIES.—Cincinnati, O.—J. P. Hornaday & Co., Traction Bldg., Cincinnati, is in the market, as is also J. W. Binford Co., 7-9 South 8th St., Richmond, Va.

RAILWAY EQUIPMENT.—Chicago, Ill.—E. E. Neiss, 424 N. Y. Life Bldg., is in the market for railway ties, rails and other equipment for the new line for the Okla. & N. W. R. R.

CONVEYING MACHINERY.—The Georgia Spool & Bobbin Mfg. Co., of Macon, Ga., and Saml. Evans, Sons & Co., Milledgeville, Ga., are reported as in the market for conveying machinery.

IRON FRAMES.—Norfolk, Va.—Hubbard & Sherron, 17 Commerce St., write us that they are in the market for iron frames for their bed springs. It is desired to make a regular contract with a reliable firm.

FACTORY EQUIPMENT.—Cadillac, Mich.—It is reported that the Cummer Mfg. Co. will soon purchase a heater, an 80-ft. stack, a band-saw, molders, filing-room outfit, belting pulley, piping, etc., for its proposed crate factory plant.

AIR COMPRESSOR.—St. Louis, Mo.—It is reported that the St. Louis Pneumatic Renovator Co., Security Bldg., St. Louis, is in the market for an air compressor of 100 ft. a minute capacity, as is also the F. E. P. Co., 1134 First National Bank Bldg., Chicago.

RAILWAY SUPPLIES.—Reports state that S. M. Woodward, 917 Floyd Ave., Richmond, Va.; E. Dillon Sons, Indian Rock, Va.; J. H. Macleary, Suffolk, Va., and the Kanawha Hardwood Co., of Andrews, S. C., are in the market for all kinds of railway supplies.

RAILWAY MATERIAL.—Dallas, Tex.—The Black Belt Electric Ry. & Power Co., is understood to be in the market for about three miles of 70-lb. rails, a mile of 100-lb. steel girder rails, ties, angles, bolts, poles, cars, etc., for the proposed electric road to be about 10 miles long.

COTTON PRESSES, CHOCOLATE MAKING MACHINERY, ETC.—New York, N. Y.—J. B. McCord, C. E., 29 Broadway, writes us that he wishes to secure catalogues of manufacturers of machinery used in the cocoa and chocolate and cotton business.

ICE MAKING MACHINERY.—It is reported that the Va. Lithia Springs Co., Richmond, Va., R. G. Game, of Abbeville, S. C.; S. H. Collins, of Milton, Fla., and W. H. Hammond & Co., 402 Moore-Bennett Bldg., Houston, Tex., are in the market for equipment for ice making plants.

DUMP CARS, CRANES, LOCOMOTIVES, RAILS, HAND SHOVELS, WELL-DRILLING MACHINERY, MISCELLANEOUS TOOLS, ETC.—Chili.—B. Palacios Almedo, of Santiago de Chili (Casilla 1235), writes us that the above supplies are wanted in connection with the proposed railway.

10,000-GALLON STEEL WATER TANK.—Passaic, N. J.—The N. J. Engineering & Supply Co., 177 Main St., writes us that it wishes to be placed in communication with manufacturers of 10,000-gallon steel water tank with a steel substructure to elevate same about 80 ft. The tank must be frost proof.

BUILDING MATERIAL.—It is reported that building materials are wanted by A. E. Krise, Pres., Atlantic Trust & Deposit Co., Norfolk, Va., the Cummer Mfg. Co., Cadillac, Mich., the Berea Real Estate Improvement Co., Berea, Ky.; Brown, Byrd & Barton, of Live Oak, Fla., and J. M. L. Lyerly, of Crescent, N. C.

BOILERS AND ENGINES.—It is reported that boilers or engines are wanted by the Rocky Mount Ice & Fuel Co., Rocky Mount, N. C.; L. Phillips Son, of Dallas, Tex.; the Odlum-Taylor Boiler Co., Memphis, Tenn.; the Cummer Mfg. Co., Cadillac, Mich.; the Imperial Laundry & Mfg. Co., Pass Christian, Miss.; Carter & Williams, of Hurds, Fla., and the Pneumatic Renovator Co., Security Bldg., St. Louis, Mo.

AMERICAN MACHINERY CATALOGUES.—Frankfort-on-the-Main, Germany.—A circular letter has been sent out by Dr. Adickes, Mayor of Frankfort, asking that American manufacturing firms send catalogues, circulars, illustrations, etc., of their products, as it is desired to form a collection of American trade publications. Richard Guenther, U. S. Consul-General, Frankfort, and Jos. Speyer, of Speyer & Co., New York, are interested.

DITCHING MACHINES, BOILERS (50-HP.), JACKS, PUMPS (15 and 20 ins.), WIRE ROPE, SHOVELS (hand), TRACTION ENGINES, TRENCH BRACES, TRENCHING MACHINES, MISCELLANEOUS TOOLS, ETC.—Stockton, Cal.—O. P. Phillips, C. E., Middle River Navigation & Canal Co., Stockton, writes us that it is likely that the company will soon be in the market for the above in connection with the proposed plan to reclaim large tracts of peat land in California.

EARTH WORK.—Elsberry, Mo.—Bids are asked by Commissioners Kings Lake Levee District, J. J. Shaw, Secy., until Aug. 3 for about 100,000 cu. yds. earth work.

CRIBWORK.—Quebec, Que.—Local Harbor Commissioners have awarded contract for cribwork outside of wall in the inner basin, to M. P. and J. T. DAVIS, for $300,000.

BONDS.—Marksville, La.—Bids are asked until Aug. 29 for purchase of $15,800 bonds. C. Ashton Smith is Mayor. (Advertised, Engineering News.)

DREDGING.—Wilmington, Del.—Bids are asked until Aug. 21 for dredging Appoquinimink River, Del. Capt. C. A. F. Flagler, U. S. Engrs. (Advertised, Engineering News.)

CEMENT.—Washington, D. C.—Bids are asked by D. W. Ross, General Purchasing Officer, Isthmian Canal Commission, until 10.30 a. m., Aug. 5, for furnishing 20,000 bbls. Portland cement.

DITCH WORK.—Cleveland, O.—Bids are asked at the office of Wm. H. Evers, County Surv. until 11 a. m., Aug. 8, for construction of the Dover ditches; 33,260 cu. yds. excavation; est. cost, $4,989.

BOILERS.—Louisville, Ky.—U. S. Government has awarded contract for installing four new boilers and appurtenances at post-office building to JOSEPH McWILLIAMS & CO., Louisville, Ky., for $11,851.

PIER WORK.—Buffalo, N. Y.—Following bids were received July 12 by F. G. Ward, Com. Pub. Wks., for rebuilding nose of inlet pier in Niagara River: Buffalo Dredging Co., $34,940; E. W. Huntington, $38,000.

TRAVELING CRANE.—Washington, D. C.—Bids are asked by the District Commissioners until Aug. 21 for furnishing a 15-ton electric traveling crane for Sewerage Pumping Station. (Advertised, Engineering News.)

CEMENT, FENCE, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts, until 10 a. m., Aug. 8, for furnishing a quantity of Portland cement, granolithic, and iron and steel fence. H. T. B. Harris, Paym.-Gen., U. S. N.

LAUNDRY MACHINES, PIPE, ETC.—Washington, D. C.—Bids are asked by D. W. Ross, General Purchasing Officer, Isthmian Canal Commission, until 10.30 a. m., Aug. 25, for furnishing laundry machines, iron pipe, pipe fittings, lead pipe, valves, etc.

ELECTRICAL SUBWAYS.—Auburn, N. Y.—Common Council has directed J. Walter Ackerman, Cy. Engr., to prepare maps and specifications for electrical subways for a part of a municipal subway system, the present amount being about 100,000 duct ft.

MACHINERY.—Washington, D. C.—Bids are asked by D. W. Ross, General Purchasing Officer, Isthmian Canal Commission, until 10.30 a. m., Aug. 22, for furnishing steam hammers, radial drills, grinding, boring, and pipe cutting machines, and pulling and track jacks.

FORGES, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until Aug. 29 for furnishing the following: Schedule 40, forges, separator, drop hammer, trimming press, tube cutting off saw and railway cut off saw. H. T. B. Harris, Paym.-Gen., U. S. N.

DREDGING.—Portland, Ind.—Contract for dredging Salamonia River for a distance of 20 miles is stated to have been let as follows: First section, eight miles, J. W. KARCH & CO., New Weston, O., $24,924; second section, 12 miles, ED. BODETTE, Toledo, O., $64,950.

REMOVING BUILDINGS.—Delaware City, Del.—Bids are asked by Capt. Louis F. Garrard, Jr., Q. M., until 10.30 a. m., Aug. 16, 1905, for removing eleven frame buildings to sites indicated and raising one building on present site, at Fort Mott, N. J. (Advertised, Engineering News.)

DREDGING.—Portland, Me.—Following bids were received July 12 by Lt.-Col. W. M. Black, U. S. Engrs., for dredging in Portland Harbor: Eastern Dredging Co., Boston, Mass., $230,000; International Contracting Co., New York, $347,875; J. S. Packard Dredging Co., Providence, R. I., $251,500.

MOTOR, VALVES, ETC.—Washington, D. C.—Bids are asked by D. W. Ross, General Purchasing Officer, Isthmian Canal Commission, until 10.30 a. m., Aug. 3, for furnishing gasoline motor, pig lead, rubber pump valves, rubber hose, steel melting ladles, lanterns, iron buckets, emery wheels, etc.

CEMENT, TIMBER, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until Aug. 15 for furnishing at Naval Station, Guantanamo Bay, Cuba, a quantity of Portland cement, hardware and tools, plain and creosoted pine, oak, steel rods, and expanded [illegible]. H. T. B. Harris, Paym.-Gen., U. S. N.

ELECTRICAL SUPPLIES.—Washington, D. C.—Bids are asked [illegible] Bureau Supplies and Accounts until A[illegible] for furnishing a quantity of naval [illegible] among which are the following: [illegible] electrical supplies, cable, tele[illegible], Schedule 45, dry kiln, ship[illegible]. B. Harris, Paym.-Gen., U. [illegible].

INCLINES, ETC.—Shre[illegible] are wanted at once by D[illegible] Ch Engr., Louisiana Ce[illegible] Co., Ltd., Shreveport, for [illegible] clines at Naples on the Re[illegible] also wanted for construc[illegible] dles and aprons. Further [illegible] the work may be seen at o[illegible] ing News, 220 Broadway, N[illegible] vertised, Engineering News.)

ROCK.—New Orleans, L[illegible] furnishing rock (bids opened [illegible] J. F. McIndoe, U. S. En[illegible] awarded as follows: 2,500 [illegible] Orleans Harbor, DOMINI[illegible] New Orleans, $4,300; 2[illegible] Vidalia, La., J. J. BALL [illegible] City, Ark., $47,150; 7,000 [illegible] Orleans Harbor, BANCRO[illegible] CLAIR C., New Orleans, $1[illegible]

TUNNEL.—Denver, Colo.—[illegible] the directors of the Denver [illegible] Tunnel Co., Wm. Ames, Pr[illegible] gheny, Pa., will award con[illegible] for completing "Brick" Pomeroy [illegible] the Denver & Salt Lake C[illegible] New York. The tunnel was [illegible] and is now in 5,300 ft. It is thought that work will be finished in about three years. The cost will be about $1,750,000.

LABORERS.—Panama.—Bids will be opened Aug. 15 by W. L. Pepperman, Acting Chief of Office, Isthmian Canal Commission, Washington, D. C., from whom detailed information can be obtained, for furnishing laborers in connection with the construction of the Panama Canal. Bids will be taken on furnishing 2,000 each of Chinese, Japanese and Italian laborers, to be furnished by Dec. 1, 1905, on the Canal Zone, Panama.

PILING, EARTH WORK.—Sacramento, Cal.—Bids are asked by Commissioner Public Works, Capitol Bldg., Sacramento, until 1.30 p. m., Aug. 5, for repair work on Byre Slough Weir. Work consists approximately of 12,000 cu. yds. of earth work, 75 standard piles 35 to 40 ft. in length (and driving), 55,000 ft. of Wakefield sheet piling (and driving), 1,250 cu. yds. of brush fascines and 300 tons of rock. Thos. B. Hall, Secy. of Auditing Bd., Capitol Bldg., Sacramento.

GRADING, WALLS, ETC.—New York, N. Y.—Following bids were received July 20 by Park Board, John J. Pallas, Pres., for completion of grading, walls, steps and copings, etc., around Baird Court, New York Zoological Park: all New York bidders: Guidone & Garlardi, 1 Madison Ave., $71,700; Gallo & Pettelli, 127 Mulberry St., $85,000; Geo. L. Walker Co., 104th St. and Broadway, $78,796; Cu'gin & Pace Const. Co., 177th St. and Third Ave., $125,721; M. J. Leahy, 1446 Prospect Ave., $87,000; Bart Dunn, 444 East 68th St., $77,522.

CURBSTONE, BOILERS, ETC.—Washington, D. C.—Bids are asked by Bureau Supplies and Accounts until Aug. 8 for furnishing a quantity of naval supplies, among which are the following: Schedule 38, curbstone, asphalt paving blocks, building brick, yellow pine, rails and splices, track spikes etc.; Schedule 39, electrical conductors, cable, wire, etc.; Schedule 40, copper cable, boilers, etc.; Schedule 41, Georgia pine, hydraulic jacks, Pratt & Whitney lathe, portable drills, steel recoil cylinders and brass tubing. H. T. B. Harris, Paym.-Gen., U. S. N.

U. S. POSSESSIONS AND CUBA.

DOCK.—Cuba.—The Gerardo Dock Co. with capital of $75,000, has been incorporated by Denver, Colo., parties, among whom are D. H. Rice and Tyson H. Dines, for the purpose of building a dock at Bahiahonda, Cuba.

DREDGING.—Hawaii.—Bids were opened July 20 by Lt. J. R. Slattery, U. S. Engrs., for dredging about 1,500,000 cu. yds. from Honolulu Harbor, the bid of the San Francisco Bridge Co. of 24.87 cts. per cu. yd. being recommended for acceptance.

BRIDGE.—Porto Rico.—The Commissioner of the Interior has decided to build the bridge across the Loiza River, near Carolina, at the same site as the previous one. The structure will be of steel upon two stone abutments, and will require several auxiliary works. The cost of the work will be about $20,000, and will be let by contract. The Bureau of Public Works, J. J. Jimenez, Supt., San Juan, will have charge of the work.

WHARF, ETC.—Cuba.—The Cuban Government has advertised for bids to be opened Nov. 9 at Havana, for the construction of a wharf custom house, appraiser's office and for a public wharf in Havana Harbor. This project also carries with it a concession for 99 years for the exploitation of the loading and unloading of vessels in the port of Havana, the right of supplying shipping with coal and warehousing merchandise in connection with the custom house. The total amount of work to be done amounts to more than $3,000,000 U. S. currency. The concession is subject to a prior bid made by the Compania del Puerto and which, according to Cuban law, has the right of doing the work of the successful bidder or to accept $36,547.45, U. S. currency in lieu of the concession. The plans, specifications and conditions for this work can be seen at the office of the Cuban Consulate General, 90 Wall St., New York City, where any further information can be had.

CONTRACT PRICES.

[Where (*) precedes items under Contract Prices the work was advertised in Engineering News.]

PIPE AND LAYING.—New York, N. Y.—Following bids were received July 12 by Commissioner Water Supply, Gas and Electricity for furnishing, delivering and laying water mains in various streets; (1) Pease Bros., Flushing (L. I.), N. Y.; (2) Wilton Construction Co., 111 Elliot Ave., Williamsbridge, N. Y.; (3) Jno. Cornwell, Jr., 69 East 127th St., New York; (4) Louis D. Gregory, New York; (5) Clinton Beckwith, New York; (6) Cunningham & Kearns, 438 East 91st St., New York; (7) Burns & Rodgers, 1909 Amsterdam Ave., New York; (8) Patrick Goodman, 1668 Park Ave., New York:

*DREDGING, BULKHEAD.—Philadelphia, Pa.—Bids were received July 7 by Major J. C. Sanford for dredging 30 ft. channel in Delaware River, the following bids being recommended for acceptance: Sec. 3, subsection A, 1,975,000 cu. yds., Sanford & Brooks Co., Baltimore, Md., 15.45 cts.; sec. 3, subsection B, 1,975,000 cu. yds., Maryland Dredging & Construction Co., Baltimore, Md., 15.4 cts.; American Dredging Co., Philadelphia, Pa., sec. 4, subsection A, 2,113,000 cu. yds., 14 cts.; sec. 4, subsection B, 2,114,000 cu. yds., 14.5 cts.; sec. 5, subsection A, 2,700,000 cu. yds., 15.5 cts. All bids are for material excavated, removed and deposited and are for scow measurement. At the same time and place bids were opened for bulkhead work. P. Sandford Ross, Inc., Jersey City, N. J., submitting the only bid, as follows: Concrete bulkhead, 9,200 lin. ft., $37 per ft.; changing from 3-row to 5-row construction of bulkhead, 1,100 lin. ft., $18; construction of revetment, including stone riprapping, 1,600 lin. ft., $17.50.

*MACADAM ROAD.—Freehold, N. J.—Bids were received July 12 by County Commissioners, Peter Forman, County Engr., Englishtown, N. J., R. F. D. 2, for building first section of Allentown and New Egypt macadam road, the contract being awarded to LEO COMPT & BUTCHER, Lakewood, N. J., at the following bid: 15,000 cu. yds. earth excavation, 18 cts.; 27,629 7-9 sq. yds. paving, 70 cts.; 2,000 lin. ft., drains, 25 cts.; total, $22,640. The road is guaranteed for one year, and is to be paved with 6-in. of macadam for a length of 17,762 ft. and a width of 14 ft.

STORM SEWERS.—Summit, N. J.—Bids were received July 18, by Common Council for constructing South Side and North Side storm sewers both contracts being awarded to the HARRISON CONSTRUCTION CO. for a total of $15,072. The itemized bid for the North Side sewer was as follows: Earth excavation, under 8 ft. deep, 6,100 cu. yds., 30 cts.; earth excavation, 8 ft. to 14 ft. deep, 850 cu. yds., 60 cts.; rock excavation, under 8 ft., 20 cu. yds., $3; rock excavation, 8 ft., to 14 ft. deep, 10 cu. yds., $4; concrete, 14 cu. yds., $6; 12-in. vitrified pipe sewer, laid, 1,020 lin. ft., 45 cts.; 15-in. vitrified pipe sewer, laid, 2,243 lin. ft., 70 cts.; 18-in. vitrified pipe sewer, laid, 1,362 lin. ft., 85 cts.; 20-in. vitrified pipe sewer, laid, 575 lin. ft., $1.10; 24-in. vitrified pipe sewer, laid, 530 lin. ft., $1.50; line manholes, 16, $42; junction manholes, one, $45; catch-basins, 34, $47; timber and plank in foundations, 1,000 ft. B. M., $30; total, $9,187.

*DREDGING.—Norfolk, Va.—Following bids were received July 20 by Capt. E. Eveleth Winslow, U. S. Engrs., for dredging water way from Norfolk Harbor to Albemarle Sound; (1) North River Bar, N. C., 16,000 cu. yds.; (2) Cumtuck Sound, N. C., 8,000 cu. yds.; (3) Elizabeth River, N. C., 20,000 cu. yds.; Chas. P. Grim, 515 Girard Bldg., Philadelphia, Pa., (1) 39 cts., (2) 34 cts., (3) 24 cts.; Norfolk Dredging Co., Norfolk, Va., (1) 41½ cts., (2) 36½ cts., (3) 24½ cts.

CEMENT.—Louisville, Ky.—Following bids were received July 21 by Lt.-Col. E. H. Ruffner, U. S. Engrs., for furnishing about 14,000 bbls. American Portland cement at Richmond, Ky., for use at Lock No. 11, Kentucky River; (1) bid for bbl. in bbls., (2) bid per bbl. in sacks: Alpha Portland Cement Co., Easton, Pa., Alpha, (1) $2.10, (2) $2.11; Virginia Portland Cement Co., New York, N. Y., Old Dominion, (1) $1.89, (2) $1.97; Marquette Cement Mfg. Co., Chicago, Ill., Marquette, (1) $2.26, (2) $2.31; Hutchinson Cement Co., New York, N. Y., Whitehall, (1) $2.23, (2) $2.28; Vulcanite Portland Cement Co., New York, N. Y., Vulcanite, (1) $2.25, (2) $2.25; Atlas Portland Cement Co., New York, N. Y., Atlas, (2) $2.08. From each of the above bids, for delivery in bags, a rebate of 10 cts. is allowed for each empty bag returned to point of delivery.

PIPE AND CASTINGS.—Kansas City, Mo.—Board Public Service, Everett Elliott, Secy., has awarded contract for furnishing pipe and castings to U. S. CAST-IRON PIPE & FOUNDRY CO. at the following figures: Cast-iron pipe, $25.00 per ton; 24-in. special castings, 2⅝ cts. per lb.; large special castings, 3¼ cts. per lb.

*DREDGING.—Baltimore, Md.—Following bids were received July 5 by Lt.-Col. R. L. Hoxie, U. S. Engrs., for dredging rivers and harbors on east shore of Chesapeake Bay; (1) dredging Elk River, (2) Nanticoke River, (3) Wicomico River, (4) Chester River, (5) Choptauk River, (6) Warwick River, (7) Pocomoke River, (8) La Trappe River, (9) Manoken River, (10) Rock Hall Harbor, (11) Queenstown Harbor, (12) Claiborne Harbor, (13) Cowbridge Harbor, (14) Tyosker Creek; Rivers & Harbors Improvement Co., Philadelphia, Pa., (1) 18 cts., (3) 17.9 cts., (5) 14 cts., (6) 17.9 cts., (8) 17.9 cts., (9) 12.9 cts., (10) 13.4 cts., (11) 13.4 cts., (12) 18 cts., (13) 14.5 cts., (14) 17.9 cts; Sanford & Brooks Co., Baltimore, Md., (5) 11.4 cts., (10) 11.4 cts., (12) 11.4 cts., (13) 11.4 cts.; John L. Grim, Philadelphia, Pa., (1) 12 cts., (2) 15 cts., (3) 13 cts., (4) 13 cts., (5) 10 cts., (6) 12 cts., (7) 15 cts., (8) 12 cts., (9) 14 cts., (10) 18 cts., (11) 18 cts., (12) 14 cts., (13) 12 cts., (14) 12 cts. The Maryland Dredging & Contracting Co. bid 12 cts. per cu. yd. for the entire work, and John L. Grim in addition to his proposal given above, bid 15 cts. per cu. yd. for entire work.

*LEVEE WORK.—Greenville, Miss.—Bids were received July 10 by Mississippi Levee District, C. H. West, Ch. Engr., for Constructing levees, the bid of ROACH, STANSELL & CO., Scimitar Bldg., Memphis, Tenn., at the following figures being accepted: Longwood levee enlargement, 140,000 cu. yds. earth embankment, 27.9 cts.; Stella Loop, 510,000 cu. yds. new levee, 18.45 cts.; Fitlers Loop, 250,000 cu. yds. new levee, 17.4 cts.; total, $176,655. Average height of embankments are as follows: Longwood, 24 ft.; Stella Loop, 20 ft.; Fitlers Loop, 19.5 ft.

*DREDGING.—Mobile, Ala.—Following bids were received July 14 by Major W. E. Craighill, U. S. Engrs., for dredging in Mobile Harbor: Geo. W. Catt, Park Row Bldg., New York City, 9.5 cts.; Geo. G. Barker, Wilmington, Del., 8.3 cts.; Southern Dredging Co., Mobile, Ala., 8.4 cts.

ASPHALT PAVEMENT.—Seattle, Wash.—Following bids were received July 8 by Board Public Works for paving on Second Ave. with asphalt; (1) Independent Asphalt Paving Co.'s (2) Barber Asphalt Paving Co.:

	(1)	(2)
Fixed estimate	$3,000	$3,000
Subgrading, 12,000 cu. yds.	25	40
8-in. pipe sewer, 8 lin. ft.	1.25	80
12-in. pipe sewer, 1,215 lin.ft.	1.30	1.35
Manholes, 5	50.00	50.00
Catch-basins, 1 inlet, 11	55.00	50.00
Catch-basins, 2 inlets, 1	65.00	55.00
Curbing St., Gran., 9,000 lin.ft.	1.30	1.35
" Cv. Gran., 560 lin. ft.	1.50	1.55
Subdrains, 10,000 lin. ft.	.12	.15
Asphalt paving, 22,350 sq. yds	1.87	1.90
Gravel f'ndat'n, 24,700 sq. yds.	.13½	.15
Brick gutters and alley crossings, 2,050 sq. yds.	2.40	2.39
Wooden stops, 600 lin. ft.	.50	.40
Catch-basins to be reconnected, 3	20.00	40.00
Manholes taken out, 1	15.00	10.00
Hydrants, 5	75.00	75.00
8-in. c.-i. pipe, 280 lin. ft.	1.00	1.25
Planking, 88 M. ft. B. M.	10.00	13.00
Totals	$75,060	$79,028

*SINKING WELL.—Kewanee, Ill.—Following bids were received July 14 for sinking well for this city; (1) bid per ft. for 16-in. well, cased, (2) 12½-in. well, cased, (3) 10-in. well, cased, (4) 8-in., cased, (5) 8-in. hole, (6) testing per hour, (7) total for well, 1,500 ft. deep: S. B. Geiger, Chicago, Ill., (1) $7.95, (2) $4.95, (3) $4.80, (4) $4.40, (5) $2.23, (6) $2.00, (7) $6,045; J. P. Miller & Co., Chicago, Ill., (1) $4.00, (2) $3.75, (3) $3.75, (4) $3.35, (5) $3.00, (6) $3.00, (7) $5,149; Q. Wilson & Co., Chicago, Ill., (1) $8.95, (2) $5.20, (3) $4.95, (4) $4.55, (5) $2.45, (7) $6,264. Chas. F. Sturtevant, Cy. Engr.

*ASPHALT PAVING.—Columbus, Ind.—Bids were received July 20 by Common Council, Wm. H. Rights, Cy. Engr., for paving Washington St., with asphalt, for a length of 3,360 ft., and a width of 41½ ft., the thickness of the wearing coat to be 1½-in., with 1-in. binder. The foundation is to consist of 6-in. of Portland cement and gravel concrete and combined cement curb and gutter is to be constructed. The contract was awarded to the BARBER ASPHALT PAVING CO., New York, at $1.97½ per sq. yd., for paving with Trinidad Lake asphalt, and $2.70 per sq. yd., for paving car tracks with brick. The total amount of contract is $28,113, and guarantee is for seven years.

BIDS RECEIVED AT NEW YORK, N. Y., JULY 2, 1905, BY COMMISSIONER OF WATER SUPPLY, GAS AND ELECTRICITY, FOR FURNISHING, DELIVERING AND LAYING WATER MAINS IN VARIOUS STREETS.

Items.	Quantities.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Straight pipe	1,640 tons	$27.75	$27.50	$26.00	$29.00	$26.50	$28.00	$29.00	$29.60
Specials	70 "	58.00	56.00	65.00	65.00	60.00	62.00	62.00	60.00
Rock, without blasting	10 cu. yds.	10.00	.32	9.00	10.00	5.00	10.00	5.00	15.00
Rock	3,450 "	3.50	.32	2.40	2.50	1.00	.30	.30	3.50
Masonry excavation	450 "	2.00	.32	1.50	.01	1.00	1.00	.30	3.50
Earth excavation	36,350 "	.30	.32	.30	.25	.44	.30	.30	.25
Filling	40,800 "	.20	.32	.15	.20	.22	.30	.30	.25
12-in. pipe to lay	12,650 feet	.35	.35	.38	.35	.35	.32	.30	.35
6-in. pipe to lay	59,300 "	.16	.25	.16	.12	.20	.16	.15	.20
36 x 12 connection	1	202.00	300.00	175.00	260.00	150.00	250.00	250.00	200.00
30 x 6 connection	4	160.00	200 00	125.00	220.00	100.00	190.00	150.00	150.00
24 x 6 connection	1	110.00	150.00	60.00	75.00	75.00	100.00	150.00	80.00
12-in. stop-cocks	30	110.00	76.25	80.00	90.00	85.00	85.00	75.00	75.00
6-in. stop-cocks	400	47.00	35.00	39.00	34.00	45.00	37.00	35.00	23.00
Hydrants	253	62.00	41.67	42.00	40.00	50.00	69.00	42.00	34.50
Brick masonry	10	17.00	.01	17.00	.01	15.00	10.00	12.00	15.00
Concrete masonry	10	7.50	3.00	6.00	.01	7.50	10 00	10.00	10.00
Asphalt Pavement	1,800 sq. yds.	5.00	.01	4.25	3.00	3.50	4.00	4.00	4.00
Granite block Pavement and flagging	800 "	2.00	.01	1.25	.01	2.00	1.50	.90	1.50
Macadam	1,200 "	.50	.01	.40	.01	2.00	.50	.10	.50
Curb and gutter	1,400 "	.50	.35	.50	.01	.50	.50	....	.50
6-in. boxing	2,600 lin. ft.	.12	.01	.01	.01	.10	.10	.10	.01
Lumber	80 "	1.00	3.50	6.00	8.00	5.00	6.00	4.00	6.00
		40.00	.01	20.00	.01	25.00	30.00	30.00	40.00
Totals		$146,920	$123,155	$127.492	$123,365	$136,790	$135,098	$125,686	$133,653

BIDS RECEIVED AT GETTYSBURG, PA., JULY 3, 1905, FOR CONSTRUCTION OF A COMPLETE SEWER SYSTEM.

Items.	Quantities.	1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8-in. terra cotta pipe, 6 ft. to 8 ft.	24,700 feet	.54½	.78	.69	.50	.56	.73	.63	.56	.80	.56½
" " 8 ft. to 10 ft.	5,900 "	.59½	.94	.77½	.70	.60	.80	.86	.70	.80	.66
" " 10 ft. to 12 ft.	1,070 "	.65½	1.05	.94½	1.00	.70	.91	1.05	.80	.80	.83
" " 12 ft. to 14 ft.	180 "	.69½	1.28	1.05	1.20	1.20	1.14	1.37	1.00	1.00	1.02
" " 14 ft. to 16 ft.	150 "	.74	1.47	1.38	1.50	1.60	1.54	1.37	1.20	1.00	1.24
12-in. " 6 ft. to 8 ft.	2,400 "	.55	1.00	.93	.75	.75	1.02	.70	.70	.90	.76
" " 8 ft. to 10 ft.	1,000 "	.60	1.17	1.02	1.00	.75	1.19	.98	.81	1.00	.84
" " 10 ft. to 12 ft.	150 "	.66	1.28	1.12	1.30	1.00	1.48	1.17	1.00	1.00	1.02
15-in. " 6 ft. to 8 ft.	2,550 "	.58	1.09	1.15½	1.00	1.00	1.31	.78	.81	1.20	.99
" " 8 ft. to 10 ft.	450 "	.62	1.32	1.24	1.20	1.20	1.48	1.20	1.00	1.20	1.24
4-in. house connections	10,000 "	.39	.50	.45	.25	.35	.46	.80	.50	.40	.57
3-in. drain tiles	300 "	.22	.20	.10	.15	.30	.14	.06	.10	.15	.05
Standard manholes	60	39.00	43.50	37.50	50.00	34.00	51.20	42.00	60.00	60.00	42.00
Extra depth below 10 ft.	20 feet	4.10	4.00	4.00	6.00	3.00	7.40	3.00	3.50	....	1.60
Drop manholes	6	42.00	60.00	45.00	60.00	45.00	64.00	42.00	65.00	60.00	42.00
Extra depth below 10 ft.	10 feet	4.10	4.50	5.00	8.00	4.00	7.40	3.00	4.50	....	1.60
Standard flush tanks	6	34.40	85.00	70.00	75.00	80.00	79.50	48.00	100.00	60 00	95.50
Lamp holes	54	5.71	8.00	12.00	10.00	4.00	17.00	10.00	15.00	6.00	11.50
12-in. No. 70 cast-iron pipe	72 feet	1.04	5.00	1.40	2.00	1.20	2.30	1.90	1.50	3.00	....
16-in. No. 120 cast-iron pipe	36 "	1.35	5.00	2.40	3.50	1.70	4.00	3.00	2.00	4.00	....
Rock excavation	50 cu. yds.	2.00	4.00	2.75	2.90	2.25	3.00	2.50	3.00	1.50	.78
Concrete septic tank, complete	1	1,283	3,700	1,732	2,500	2,800	3,053	1,800	2,475	2,863	2,342
Totals		$30,389	$47,059	$40,244	$34,096	$34,923	$45,775	$41,453	$37,683	$44.533	$37,283

WATER PIPE LAYING.—New York, N. Y.—Following bids were received July 19 by Commissioner Water Supply, Gas and Electricity for furnishing, delivering and laying water mains in the Bowery, Allen, Bayard and other streets; (1) Louis D. Gregory, New York; (2) Jno. Cornwall, Jr., 69 East 127th St., New York; (3) Cunningham & Kearns, 432 East 91st St., New York; (4) Burns & Rodgers, 1909 Amsterdam Ave., New York; (5) Norton & Dalton Contracting Co., 27 West 140th St., New York; (6) P. Goodman, 1668 Park Ave., New York:

Bids Received July 19, 1905, for Furnishing, Delivering and Laying Water Mains in Several Streets in New York City.

	(1)	(2)	(3)	(4)	(5)	(6)
3,330 tons of straight pipe	$31.00	$30.00	$28.00	$29.00	$28.50	$27.80
190 t. ns of branches and special castings	70.00	60.00	62.00	60.00	60.00	60.00
100 cu. yds. rock excavation, without blasting	.01	.10	.05	.05	.10	.01
1,800 cu yds. rock excavation	.01	.40	.40	.42	.50	.01
300 cu. yds. masonry excavation	2.00	.40	.40	.42	4.00	6.00
50,500 cu. yds. earth excavation	.40	.40	.39	.42	.50	.30
50,500 cu. yds. filling	.40	.40	.39	.42	.50	.30
5,900 lin. ft. of 20-in. pipe to lay	.80	.75	.58	.60	.90	1.00
58,000 lin. ft. of 12-in. pipe to lay	.40	.45	.35	.40	.60	.40
12,300 lin. ft. 6-in. pipe to lay, including whitewood plugs	.20	.30	.20	.20	.40	.20
3—36-in. x 20-in. connections to make without shutting off water	350.00	300.00	500.00	400.00	400.00	325.00
5—36-in. x 12-in. connections to make without shutting off water	200.00	200.00	200.00	250.00	300.00	160.00
1—24-in. x 20-in. connection to make without shutting off water	300.00	175 00	300.00	400.00	250.00	270.00
4—24-in. x 12 in. connections to make without shutting off water	150.00	160.00	150.00	230.00	250.00	125.00
18—20-in x 12-in. connections to make without shutting off water	125.00	160.00	100.00	225.00	150.00	175.00
10—20-in. inside screw stopcocks and boxes	300.00	300.00	400.00	300.00	300.00	325.00
295—6 in. inside screw stopcocks and boxes	80.00	80.00	85.00	70.00	80.00	75.00
3,716—5-in. outside screw stopcocks and boxes	40.00	40.00	38.00	34.00	40.00	30.00
304 double-nozzle Standard New York hydrants and appurtenances, including lead-lined drain pipe	45.00	50.00	57.00	45.00	40.00	35.00
7 blow-off- to set	20.00	20.00	20.00	15.00	25.00	20.00
100 cu. yds. brick masonry	15.00	18.00	10.00	12.00	15.00	20.00
30 cu. yds. concrete masonry	6.00	6.00	5.00	10.00	10.00	10.00
17,100 sq. yds of sheet or block asphalt pavement and artificial stone sidewalks, including foundation, to relay and restore	4.10	4.50	4.00	3.50	5.00	4.00
3,800 sq. yds. of granite block pavement on concrete foundation, and tar and gravel or cement joints, to relay and restore	1.50	1.50	2.00	2.00	2.00	2.00
6,200 sq. yds. of pavement and flagging, to relay and restore	.50	.50	.80	.50	.60	.75
4,300 lin. ft. of curb and gutter reset	.01	.01	.05	.10	.10	.01
500 ft. B. M. sheet piling that may be left in the work, by direction of the Engineer	20.00	.01	30.00	30.00	40.00	40.00
Totals	$827,882	$866,708	$816,028	$611,218	$662,680	$800,486

CIVIL SERVICE EXAMINATIONS

RODMAN.—U. S. Civil Service Commission, Washington, D. C., will hold an examination on Aug. 16-17 to secure eligibles to fill vacancies as they may occur in the position of rodman, at $75 and $83.33 per month, under the Isthmian Canal Commission, on the Isthmus of Panama. Only graduates in civil engineering schools of recognized standing will be admitted to the examination.

DRAFTSMEN.—An examination to provide an eligible list of architectural draftsmen and structural steel work draftsmen, from which appointments will be made in the Naval Service, will be held on Aug. 14 and 15 at New York City, Pittsburg, Pa., and Washington, D. C. Application should be made before Aug. 12 to the Secretary of the Navy, Washington, D. C. The pay is $2.80 to $5.04 per diem. The official advertisement appears in the Engineering News.

For other Proposal Advertisements see pages 43, 44, 45, 46, 47, 48, of Advertisements and Construction News page 32.

SEWERS.

Phillipsburg, N. J.

Sealed proposals will be received until 7.30 P. M., August 5, 1905, by the Chairman of the Sewer Committee, Jordan Shafer, No. 4 John Street, Phillipsburg, N. J., in behalf of the town of Phillipsburg, for the construction of a sewer in said town in accordance with plans and specifications on file in the office of Town Engineer, No. 98 Main Street.

The work includes approximately:

807 ft. vitrified sewer pipe 18 ins. diameter.
578 ft. vitrified sewer pipe 15 ins. diameter.
643 ft. vitrified sewer pipe 12 ins. diameter.
1,140 ft. vitrified sewer pipe 10 ins. diameter.
1,054 ft. vitrified sewer pipe 8 ins. diameter.
Twenty-three manholes.
Fifteen catch basins.

Each bid must be accompanied by a certified check for three hundred dollars ($300), drawn to the order of the Treasurer of the Town of Phillipsburg. All such deposits, except that of the successful bidder, will be returned to the persons making the same within ten days after the contract has been awarded. The successful bidder will be required to enter into a contract with, and give a bond to, the inhabitants of the Town of Phillipsburg, which bond must be satisfactory to and be approved by the Common Council of the Town of Phillipsburg, in half the sum of the contract, within ten days after the award of the contract. In case the successful bidder shall refuse or neglect to execute the contract and furnish said bond within ten days after the award, the amount deposited with the Treasurer shall be forfeited to the Town of Phillipsburg as liquidated damages. The expenses of the contract and bond are to be borne and paid for by the contractor.

The Town of Phillipsburg reserves the right to reject any or all bids.

Specifications, blank form of proposals and all available information will be furnished by Robert P. Howell, Engineer, on application at the office.

JORDAN SHAFER, Chairman.
CHAS. DITTON, Jr.,
JOHN S. RANDELS,
JAMES E. POTTS,
4-2t Sewer Committee.

HEATING, PLUMBING, ELECTRIC FIXTURES, ETC.

Rome, N. Y.

Sealed proposals suitably endorsed on envelope for Construction, Heating, Plumbing, Electric Light Wiring and Fixtures, for Ward Building J, at the Rome State Custodian Asylum, Rome, N. Y., may be sent by mail or delivered in person up to 12 o'clock, noon, on the 7th day of August, 1905, to James A. Douglass, President of the Board of Managers, of the Rome State Custodian Asylum, Rome, N. Y., when the bids will be opened and read publicly.

Drawings and specifications may be consulted and blank forms of proposal obtained at the Rome State Custodial Asylum, Rome, N. Y., or by application to G. L. Heins, State Architect, in the Capitol at Albany, N. Y.

Contracts will be awarded to the lowest responsible and reliable bidders unless the bids exceed the amount of funds available therefor, in which case the right to reject all bids is reserved.

CHAS. BERNSTEIN,
2-3t Superintendent.

PROPOSALS FOR MISCELLANEOUS SUPPLIES.—Office Isthmian Canal Commission, Washington, D. C., July 1, 1905.—Sealed proposals, in triplicate, will be received at the Office of the General Purchasing Officer, Isthmian Canal Commission, Washington, D. C., until 10.30 A. M., July 31, 1905, at which time they will be opened in public, for furnishing Air Compressors, Pneumatic Hammers, Drills and Boring Machines, Marine Boilers, Rubber Hose, Sheet Iron, Steel Rivets, Salinometers and Salinometer Pots. Blanks and full information may be obtained from this office, or offices of Asst. Purchasing Agents, 24 State St., N. Y. City; Custom House, New Orleans, La.; 26 New Montgomery St., San Francisco, Cal., and Tacoma, Wash.; also Commercial Club, Mobile, Ala. D. W. ROSS, General Purchasing Officer. 1-4t

U. S. ENGINEER OFFICE, 3232 Prytania St., New Orleans, La., July 12, 1905.—Sealed proposals will be received here until 11 o'clock A. M., August 11, 1905, and then publicly opened, for constructing about 432,000 cubic yards of levee work in the Pontchartrain Levee District. Information furnished on application. J. F. McINDIE, Capt., Engrs. 3-3t

ASPHALT PLANT.

New Orleans, La., July 21, 1905.

Pursuant to Ordinance No. 3,174 N. C. S., sealed proposals will be received at the office of the Comptroller of the City of New Orleans until the hour of 1 P. M., Monday, August 28th, 1905, for the erection of an asphalt plant for the repair of asphalt streets, in accordance with plans and specifications on file in the office of the City Engineer.

Deposit of $500.00 with the City Treasurer and his receipt enclosed with bid.

Bond.—The successful bidder shall furnish a construction bond with a surety company acceptable to the Mayor and to the City Council of New Orleans in an amount equal to the contract price as surety for the faithful performance of the contract in all its details.

The City Engineer will furnish bidders with a blank form of proposal. No proposal will be considered unless submitted on such form.

Bidders must have paid their City license in order that their bids may be accepted.

The City reserves the right to reject any and all bids.

CHAS. R. KENNEDY,
4-5t Comptroller.

SYSTEM OF CONCRETE SEWERS AND SEWAGE PUMPING STATION.

Chicago, Ill.

Sealed proposals will be received by the Board of Local Improvements of the City of Chicago, August 23, 1905, for the construction of a system of concrete sewers, having a total length of about 15 miles, and ranging in diameter from 10½ ft. to 3 ft.

Also for the construction of a pumping station building, 84 ft. × 40 ft. Also for the erection of 3 centrifugal pumping engines.

Detailed plans and specifications may be examined in the office of the Board of Local Improvements, Room 207, City Hall, Chicago. For further information address

ANDREW M. LYNCH,
Pres. Board of Local Improvements.
C. D. HILL,
Chief Engineer. 4-3t

WATER-WORKS.

Republic, Mich.

The Township Board of the Township of Republic, Michigan, will receive bids until 2 P. M., August 8th, 1905, for a complete water-works system, consisting of one brick building, two 750,000 gallon pumps, two return tubular boilers and stack, 8,200 feet of 8-inch pipe, 3,762 ft. of 6-in. pipe, 2,350 ft. of 4-in. pipe, 28 double discharge fire hydrants, ten 8-in. valves, ten 6-in. valves, six 4-in. valves, valve boxes, special castings, etc.

Plans and specifications are on file at the office of the Township Clerk, at Republic, Michigan; also at the offices of The Standard Engineering Co., 1032 Garfield Bldg., Cleveland, Ohio, and Greentown, Indiana; and at the office of the Engineering News, 1636 Monadnock Building, Chicago.

D. T. MORGAN, Supervisor.
4-2t PETER W. PASCOE, Clerk.

20-YEAR GOLD BONDS.

Marksville, Louisiana, July 22d, 1905.

Sealed bids for the sale of $15,800.00 gold. twenty-year, five per cent. bonds will be received by the Mayor and Board of Aldermen of the town of Marksville, Louisiana, up to the hour of 4.00 P. M., Tuesday, August the 29th, 1905.

Bids to be addressed to C. Ashton Smith, Mayor, and each bid must be accompanied by certified check for $500.00, payable to C. Ashton Smith, Mayor, as a guarantee that said sale shall be consummated if awarded.

The right to reject any and all bids is reserved.

For description of bonds, or any other information, address

C. ASHTON SMITH,
4-1t Mayor.

HARBOR WORK, VALPARAISO, CHILE.

Works amount £2,500,000 ($12,500,000).

On the 2d of April, 1906, bids will be open in Santiago (Chile) for the construction of docks and improvement of the harbor of Valparaiso.

See plans and specifications in Washington, D. C., Chilean Legation, 1228 17th Street; in New York, Consulate General, 135 W. 11th Street.

Plans and specifications may also be seen at the office of Engineering News, New York. 17-39t

ELECTRIC LIGHT PLANT AND STORAGE RESERVOIR.

Lake Placid, New York.

Bids will be received until 3.00 P. M., August 3d for the construction of a masonry dam, power station and foundations, one 150-KW., one 100-KW., alternating current generator, one 225-HP. and one 150-HP. water wheel, one 200-HP. steam engine and all other station equipment, also all poles, wire, transformers, etc.

Bids will also be received for the construction of a storage reservoir and pipe line. The approximate quantities are 3,600 cu. yds. concrete, 2,500 cu. yds. excavation, and the laying of 4,500 lineal feet of 10" cast-iron pipe, trenching, backfilling, etc.

Plans and specifications may be seen at the Village Clerk's office. The Engineer will be in Lake Placid after July 20th for the purpose of going over the ground and furnishing any information required.

BYRON R. BREWSTER,
Village Pres.
CHAS. E. COLLINS, Engr. 4-1t

WATER-WORKS—ELECTRIC PLANT.

Marksville, Louisiana, July 22d, 1905.

Sealed bids for the construction of a system of Water-Works and Electric Light for the town of Marksville, Louisiana, will be received by the Mayor and Board of Aldermen up to 4.00 p. m., Thursday, August the 24th, 1905.

Proposals must be sealed and addressed to C. Ashton Smith, Mayor, and each bid must be accompanied by certified check for $500.00 payable to C. Ashton Smith, Mayor, as a guarantee that said contract will be entered into if awarded.

The right to reject any and all bids is reserved.

Plans and specifications may be seen at the Mayor's office, Marksville, Louisiana, or at the office of Ira W. Sylvester, consulting engineer, Alexandria, Louisiana.

For copies of plans and specifications address,

C. ASHTON SMITH,
4-1t Mayor.

ASPHALT FLOOR.

Peru, Illinois.

Sealed bids will be received at Emil Shaid, Barber Shop, to August 1, 1905, 8 o'clock P. M., for the purpose of placing an asphalt floor on the present concrete floor in the play halls in the Central School Building, being approximately 4,400 square feet, and the same to be one inch in thickness, when work is accepted by the Board.

Each bid must be accompanied by a sample of material and certified check to the amount of $300, made payable to the President of the School Board of Peru, Illinois.

Committee reserves the right and privilege to reject any and all bids.

Dated at Peru, Illinois, this 19th day of July, 1905. 4-1t

INCLINES.

Louisiana.

Bids are wanted at once from responsible contractors for building an incline to be located at Naples, on the Red River, about ¾ mile from junction of Atchafalaya and Old Rivers, and also on the operated line of the Louisiana Ry. & Navigation Co., 52 miles south of Alexandria, and for another incline at Angola, on the Mississippi River, both for the Louisiana Ry. & Navigation Co., of Shreveport, La.

There will be required about 65,000 lin. ft. of hewn cypress piling, and 800,000 ft. F. B. M. of long leaf yellow pine. The inclines will descend on a 3½% grade. The La. Central Construction Co., Ltd., will furnish hewn or round pine piling. A separate bid is wanted for planing and driving the piling.

Both inclines are to be completed within four months of date of contract.

Bids are also wanted for constructing the necessary cradles and aprons, which will require about 125,000 ft. B. M.

Plans and complete specifications for the inclines are on file and will be due to responsible bidders.

D. C. FENSTERMAKER, Ch. Engr.,
La. Central Construction Co., Ltd.,
4-1t Shreveport, La.

Further details regarding the inclines may be seen at the office of Engineering News, 220 Broadway, New York.

SEWERS.

New Britain, Conn.

Sealed bids will be received by the Board of Sewer Commissioners of New Britain, Conn., at their office, 2 Main St., up to 1 o'clock p. m., Tuesday, Aug. 15, 1905, for building sewers, manholes and appurtenances for one section of the city of New Britain's Sewer System. Plans, profiles and specifications on file in the office of said Commissioners, as follows:

Section B.

Approximately four and one quarter miles of pipe sewers from six inches to twenty inches in diameter and from two to eighteen feet deep.

Bid shall be accompanied with a certified check for one thousand dollars payable to Treasurer of the City of New Britain, Conn.

All bids will be made on blanks furnished by the city.

The right is hereby reserved to reject any or all bids as the interest of the city may appear.

Board of Sewer Commissioners,
SAMUEL H. SUGARNS,
EDGAR H. BEACH,
JAMES HEALY.

Address,
WILLIAM H. CADWELL, Engineer,
4-2t 213 Main St., New Britain, Conn.

CONCRETE COVERED RESERVOIR.

Franklin, N. H.

Sealed proposals will be received by the Water Board of the City of Franklin, N. H. till noon of Aug. 9, for building a covered concrete reservoir of about 750,000 gallons capacity and for laying about 4,000 feet of 8 and 12-inch water pipe. Blank forms for proposal, and specifications can be had of the Engineer.

F. N. PARSONS,
Secy. Water Board,
Franklin, N. H.
F. L. FULLER, Engineer,
12 Pearl St., Boston. 4-2t

OFFICE OF THE COMMISSIONERS, D. C., Washington, D. C., July 19, 1905.—Sealed proposals will be received at this office until 12 o'clock noon, August 21, 1905, to furnish one fifteen-ton electric traveling crane for the Sewerage Pumping Station, Sewage Disposal System, D. C. Specifications and blank forms of proposal may be obtained at this office. The right is reserved to reject any and all bids or parts of bids. HENRY B. F. MACFARLAND, CHESTER HARDING (Acting), Commissioners, D. C. 4-2t

FORT MOULTRIE, S. C., July 27, 1905.—Sealed proposals, in triplicate, will be received until 11 A. M., August 26, 1905, for constructing a reservoir and installing boiler and pump in present pump house here. Information furnished on application. U. S. reserves right to reject any or all proposals. Envelopes containing proposals should be marked "Proposals for Construction," addressed F. W. COLE, Q. M. 4-4t

Situations Wanted

Civil Engineers.

GRADUATE CIVIL ENGINEER; 3½ years' experience laying electrical conduits, pipes, concrete work, sewers, pavements; good instrumentman, draftsman. Address "M. A. 4," Engineering News, New York. 4-1t

Draftsmen.

DRAFTSMAN AND ESTIMATOR: electric light, power switch and panel boards a specialty. Address "L. A. 4," Engineering News, New York. 4-1t

DRAFTSMAN, topographical; experienced mathematician; reliable; superior drafting and lettering; in New York. Address "K. A. 4," Engineering News, New York. 4-1t

SITUATIONS OPEN

DRAFTSMEN WANTED.—First-class men on structural iron work for buildings; state age, references and salary expected. Address "O. A. 4," Engineering News, New York. 4-1t

WANTED.—A first-class mechanical engineer, who has had experience in designing and laying out structural iron work for steel buildings, and has had practical experience in structural iron business and an accurate estimator; state age, experience and reference when answering. All letters treated confidentially. Address RICHMOND PATTERN & STRUCTURAL IRON WORKS, INC., Richmond, Va. 4-1t

STRUCTURAL DRAFTSMEN experienced, accurate and fairly rapid; capable taking charge work and checking; must be capable of making detail drawings of difficult skew roof truss work. Address "Z. A. 4," Engineering News, New York. 4-2t